

Subject: Practice of Medicine
Subject code: HomUG PM-III

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1. Course outcomes

- i. Develop as a sound homoeopathic clinician who can function indifferent clinical settings by applying knowledge, clinical skills and attitudes in studying the individual as a whole.
- ii. Able to correlate the disease conditions with the basics of anatomy, physiology, biochemistry and pathology.
- iii. Able to apply the knowledge of causation, pathophysiology, pathogenesis, manifestations, and diagnosis (including differential diagnosis) to understand the disease.
- iv. Develop adequate knowledge for rational use of investigations and its interpretation to arrive at a final diagnosis of disease.
- v. Ability to make a rational assessment of prognosis and general management of different disease conditions.
- vi. Ability to understand and provide preventive, curative, palliative, rehabilitative and holistic care with compassion, following the principles of Homoeopathy.
- vii. Able to integrate the clinical state of the disease with the concepts of Organon of Medicine and Homoeopathic Philosophy, Repertory and Homoeopathic Materia Medica for the management of the patient.

2. Learning objectives

i. Disorders of Cardiovascular System

- **Comprehensive Knowledge:** Understand the pathophysiology, clinical manifestations, and risk factors of common cardiovascular diseases like hypertension, ischemic heart disease, heart failure, and arrhythmias.
- **Diagnosis and Investigations:** Learn to interpret ECG, echocardiograms, stress tests, and other relevant diagnostic tools.
- **Therapeutics:** Master the application of homeopathic remedies such as *Crataegus oxyacantha* and *Cactus grandiflorus* for cardiovascular health.
- **Prevention:** Advocate for lifestyle modifications, stress management, and dietary interventions to reduce cardiovascular risks.

ii. Musculoskeletal and Connective Tissue Disorders

- **Disorders Covered:** Arthritis, osteoporosis, autoimmune conditions like lupus, and soft tissue injuries.
- **Clinical Skills:** Develop proficiency in physical examination techniques like joint mobility assessments and identifying deformities.
- **Homeopathy Integration:** Use remedies such as *Rhus toxicodendron*, *Calcarea carbonica*, and *Bryonia alba* for inflammation and pain.
- **Rehabilitation:** Recognize the importance of physiotherapy, ergonomics, and exercise in improving functional outcomes.

iii. Disorders of Central Nervous System and Peripheral Nervous System

- **Scope:** Manage conditions like epilepsy, stroke, neuropathies, multiple sclerosis, and Parkinson's disease.
- **Diagnostics:** Learn to analyze neuroimaging (MRI, CT) and electrophysiological tests like nerve conduction studies.
- **Therapeutics:** Understand homeopathic remedies like *Cicuta virosa* for seizures or *Gelsemium sempervirens* for neurological weakness.
- **Patient Care:** Provide emotional and psychological support for patients with chronic neurological conditions.

iv. Disorders of Hematopoietic System

- **Conditions Covered:** Anemias, leukemias, clotting disorders like hemophilia, and myeloproliferative disorders.
- **Diagnostic Acumen:** Interpret complete blood counts, peripheral smears, and bone marrow biopsies.
- **Therapeutics:** Employ homeopathic remedies such as *Ferrum metallicum* and *China officinalis* for anemia.

- **Preventive Measures:** Educate patients about iron-rich diets and vaccination for blood-related infections.

v. Psychiatric Disorders

- **Disorders Covered:** Anxiety, depression, psychosis, obsessive-compulsive disorder, and substance abuse.
- **Skills Development:** Learn to take a detailed psychiatric history and perform mental status examinations.
- **Therapeutics:** Use remedies like *Aurum metallicum* for depression and *Hyoscyamus niger* for psychotic states.
- **Holistic Care:** Integrate psychotherapy, mindfulness, and lifestyle interventions into treatment plans.

vi. Dermatological and Sexually Transmitted Disorders

- **Dermatology:** Manage conditions like eczema, psoriasis, fungal infections, and acne.
- **STD Management:** Recognize the symptoms and understand the importance of management of syphilis, gonorrhoea, and HPV-related conditions.
- **Homeopathy Applications:** Use remedies such as *Sulphur* for skin issues and *Thuja occidentalis* for warts.
- **Public Health:** Emphasize preventive strategies, including vaccination and awareness campaigns.

vii. Paediatric Diseases

- **Conditions Covered:** Infectious diseases, nutritional deficiencies, and congenital anomalies.
- **Developmental Milestones:** Detect and manage growth delays and behavioural disorders like ADHD.
- **Therapeutics:** Apply remedies like *Chamomilla* for teething and *Calcarea phosphorica* for nutritional deficiencies.
- **Preventive Care:** Advocate immunization and breastfeeding as cornerstones of paediatric health.

viii. Nutritional and Metabolic Disorders

- **Conditions Covered:** Obesity, diabetes mellitus, thyroid disorders, and metabolic syndromes.
- **Lifestyle Integration:** Promote balanced diets, exercise, and stress management.
- **Therapeutics:** Use remedies like *Phytolacca berry* for weight management and *Natrum muriaticum* for thyroid dysfunctions.
- **Education:** Empower patients to adopt sustainable dietary habits.

ix. Geriatric Disorders

- **Scope:** Manage common disorders like dementia, incontinence, and frailty.
- **Patient Care:** Address the psychological and social needs of elderly patients through comprehensive care plans.
- **Therapeutics:** Use remedies like *Baryta carbonica* for age-related memory loss and *Rhus toxicodendron* for arthritis.
- **Preventive Measures:** Educate on fall prevention, regular health checkups, and social engagement.

x. Disorders Associated with Environmental Exposure

- **Conditions Covered:** Respiratory illnesses, skin conditions, and toxicities caused by environmental pollutants.
- **Diagnosis:** Recognize symptoms of acute and chronic exposure, and conduct relevant tests.
- **Therapeutics:** Apply homeopathic remedies for symptomatic relief, such as *Carbo vegetabilis* for respiratory distress.
- **Public Health Awareness:** Promote measures to mitigate environmental risks, like pollution control.

xi. Palliative and End-of-Life Care

- **Scope:** Manage pain, fatigue, and other terminal symptoms with empathy and homeopathy.
- **Communication Skills:** Develop the ability to counsel patients and families during end-of-life stages.
- **Therapeutics:** Use remedies like *Arsenicum album* for restlessness and *Ignatia* for grief.
- **Ethics:** Understand the importance of respecting patient autonomy and dignity.

xii. Critical Care Medicine

- **Skills Development:** Recognize emergencies like cardiac arrest, sepsis, and respiratory failure.
- **Collaborative Care:** Work effectively in multidisciplinary critical care teams.
- **Therapeutics:** Explore the role of remedies like *Camphora* in acute emergencies.

xiii. Miscellaneous

A. Stem Cell Biology and Current Status of Therapy

- **Knowledge Acquisition:** Understand the basics of stem cell types, differentiation, and therapeutic potential.
- **Applications:** Learn about emerging therapies for degenerative conditions and injuries.
- **Ethics:** Recognize ethical issues related to stem cell research and therapy.

B. Telemedicine and Tele-homeopathy

- **Skills Development:** Use telemedicine tools for effective consultations and follow-ups.
- **Technology Integration:** Learn digital platforms for case-taking, monitoring, and prescribing.
- **Legal Frameworks:** Adhere to telemedicine practice guidelines.

C. Integrative Health Care: Current Status and Possibilities

- **Scope:** Explore integrative approaches combining homeopathy with other systems of medicine.
- **Research Orientation:** Understand evidence-based practices and the role of complementary therapies.
- **Collaborative Care:** Foster partnerships between homeopaths and other healthcare providers.

xiv. Bedside Clinics / Demonstrative Activities

- a. **Mastery in Comprehensive Patient Assessment:** Demonstrate advanced proficiency in conducting patient assessments, integrating detailed history-taking, in-depth physical examination, and systematic formulation of differential diagnoses with precision during bedside clinics.
- b. **Advanced Diagnostic and Therapeutic Skills:** Utilize critical thinking and diagnostic acumen to analyze complex clinical cases, correlating patient history, examination findings, and investigative results to formulate accurate diagnoses and individualized therapeutic strategies.
- c. **Integration of Homoeopathic Principles:** Exhibit expertise in applying clinic-pathologico-miasmatic correlation to assess the qualitative and quantitative state of susceptibility, ensuring a tailored and holistic homoeopathic approach to patient care.
- d. **Enhancement of Patient-Centered Communication:** Display superior communication skills with patients, fostering trust and therapeutic rapport through active listening, empathy, and clarity while addressing sensitive or complex clinical scenarios.
- e. **Exemplification of Professional and Ethical Excellence:** Uphold the highest standards of professionalism, ethical conduct, and cultural competence in patient care, with unwavering respect for patient autonomy, dignity, confidentiality, and informed consent.
- f. **Expert Clinical Documentation:** Demonstrate exceptional accuracy and comprehensiveness in clinical documentation, capturing detailed patient histories, examination findings, diagnostic insights, and evidence-based treatment plans aligned with institutional standards.
- g. **Leadership and Team Collaboration:** Exhibit leadership in clinical settings by mentoring junior students, fostering collaborative decision-making, and contributing to team-based patient care approaches.
- h. **Commitment to Evidence-Based Practice:** Integrate contemporary evidence-based practices and emerging research insights into homoeopathic clinical management, ensuring the highest quality of care.
- i. **Critical Self-Reflection and Lifelong Learning:** Engage in in-depth self-assessment and critical reflection on clinical performance, addressing knowledge gaps and continuously advancing professional expertise through targeted learning and development.
- j. **Comprehensive Case Synthesis and Presentation:** Display proficiency in synthesizing and presenting clinical cases, showcasing analytical and diagnostic reasoning skills during peer discussions, case conferences, and evaluative sessions.

These outcomes prepare final-year students for independent clinical practice, integrating advanced homoeopathic principles with professionalism, leadership, and lifelong learning.

3. Course content

3.1. Term-wise course content:

TERMS	SYSTEM TO BE COVERED
I	1) Disorders of CVS
	2) Musculoskeletal and Connective Tissue Disorders
	3) Disorders of Central Nervous System and Peripheral Nervous System
	4) Disorders of Haematopoietic System
	5) Psychiatric Disorders
II	6) Dermatological and Sexually Transmitted Disorders
	7) Paediatric Diseases
	8) Nutritional and Metabolic Disorders
	9) Geriatric Disorders
	10) Disorders Associated with Environmental Exposure
	11) Palliative and End-of-Life Care
	12) Critical Care Medicine
	13) Miscellaneous

3.2. Details of theory content

(a) DISORDERS OF CVS

SI No	TOPICS
General	Clinical approach to Cardiology (Already taken in II Year BHMS, only needs to revisit)
1	Heart failure
2	Ischemic heart disease
3	Rheumatic fever: Acute & Chronic
4	Valvular heart diseases: Stenosis & Regurgitation: Mitral, Tricuspid, Aortic & Pulmonary

5	Infective Endocarditis
6	Hypertension
7	Cardiomyopathies
8	Arrhythmias, Supraventricular Tachycardia
9	Cor-pulmonale and pulmonary hypertension.
10	Congenital heart diseases: Acyanotic&Cyanotic- ASD,VSD, COA, PDA, TOF
11	Disorders of Myocardium
12	Diseases of Pericardium
13	Disease of Aorta
14	Vascular Disorders of Extremities

(b) MUSCULOSKELETAL AND CONNECTIVE TISSUE DISORDERS

SI NO	TOPICS
General	Basic considerations, connective tissue, articular cartilage, joints, classification of rheumatic diseases
1	Ankylosing Spondylosis, SLE, Systemic Sclerosis and Sjogren's Syndrome
2	Reiter's syndrome or Reactive arthritis
3	Psoriatic arthritis (PsA)
4	Vasculitis
5	Arthropathies - RA, OA, Neurogenic arthropathy
6	Gout and Pseudo Gout
7	Osteoporosis &Osteomalacia
8	Cervical and Lumbar Spondylosis
9	Approach to Low Backache
10	Fibromyalgia – An Approach
11	Inflammatory Muscle Diseases
12	Infectious arthritis
13	Soft tissue rheumatism and Regional Rheumatic Pain Syndromes (Periarticular Disorders of the extremities)

(c) DISORDERS OF CNS AND PERIPHERAL NERVOUS SYSTEM

SI No	TOPICS
General	Approach to the Neurologic Patient
1	Stroke: Ischemic & Intracranial haemorrhage
2	Dementia - Alzheimer's Disease
3	Seizure Disorders& Epilepsy
4	Brain Infections - Meningitis, encephalitis
5	Movement Disorders - Parkinson's Disease, Cerebellar Disorders
6	Hyperkinetic movement disorders: Tremor, Chorea
7	Ataxic disorders
8	Neuralgia - Trigeminal neuralgia, Bell's Palsy
9	Demyelinating Disorders
10	Disorders of Peripheral Nervous System
11	Polymyositis, Muscular Dystrophies
12	Motor Neuron Disease, Myasthenia Gravis, Spinal Muscular atrophies
13	Spinal Cord Disorders
14	Intracranial and Spinal Cord Tumors

(d) DISORDERS OF HAEMATOPOIETIC SYSTEM

SI No	TOPICS
General	Approach to disorders of the Haematopoietic system: Anaemia, Bleeding disorders, platelets dysfunction
1	Anaemia Introduction and classification
2	Iron deficiency anaemia
3	Megaloblastic anaemia& Pernicious Anaemia
4	Bone Marrow failure syndromes: Aplastic anaemia
5	Hereditary Haemolytic anaemia: G6PD Deficiency, Sickle cell syndrome,

	Acquired Haemolytic anaemia: Blood transfusion Reaction etc.
6	Leukaemia: Acute & Chronic: Myeloid & Lymphoid
7	Lymphomas: Hodgkin's & non-Hodgkin's
8	Disorders due to deficiency of Clotting factors: Haemophilia, Disseminated Intravascular Coagulation
9	Platelet Disorders: Immune Thrombocytopenic Purpura [ITP], Thrombocytosis & Thrombasthenia
10	Von Willebrand diseases
11	Plasma cell disorder: Multiple myelomas.
12	Diseases associated with splenomegaly, Approach to a patient with splenomegaly, Hypersplenism
13	Polycythaemia vera

(e) PSYCHIATRIC DISORDERS

SI No	TOPICS
General	Approach to mental disorder
1	Mood disorders: Major depressive - Episode & Disorder, Minor depressive - Episode & Disorder, Dysthymic Disorder Bipolar Disorder
2	Anxiety Disorders: GAD – Generalized Anxiety Disorder, OCD – obsessive compulsive disorder Panic episode and disorder, Phobias
3	Psychotic disorders: Schizophrenia, Acute psychosis
4	Organic Brain syndromes Delirium and dementia
5	Personality disorders
6	Substance Abuse
7	Hysteria / Conversion disorder/somatoform disorders

(f) DERMATOLOGICAL AND SEXUALLY TRANSMITTED DISORDERS

SI No	TOPICS
General	Approach to the Patient with a Skin Disorder
1	Bacterial infections
2	Fungal infections
3	Viral infection
4	Parasitic infestations of the skin: Scabies
5	Eczema & Dermatitis
6	Disorders of sebaceous glands: Acne
7	Urticaria and Angioedema
8	Papulosquamous Disorders -Psoriasis
9	Lichen Planus
10	Pigment disorders
11	Hair & Nail disorders
12	Syphilis/ HIV/Gonorrhoea
13	Vesiculo-bullous disorders
14	Vitiligo

(g) PAEDIATRIC DISEASES

SI No	TOPICS
General	Basic paediatric parameter, Variation in normal development and Approach to sick child
1	Normal growth and development, Disorders of Growth & Development (Failure to thrive and delayed milestones):
2	Behavioural disorders in children (ADHD), anxiety disorders in children
3	Diseases of New born infants - common physiological neonatal conditions, neonatal jaundice, birth defects, seizures, hypothermia, hyperthermia, seizures
4	Immunization in Children

5	GI disorders – Diarrhoeal Disorders in Children, pica, constipation
6	Infectious diseases - approach to fever
7	URTI, LRTI, hypersensitive airway disease, approach to Pertussis cough
8	Otitis media, ear pain
9	acute rheumatic fever
10	Acute glomerulonephritis, nephrotic syndrome,
11	Indian childhood Cirrhosis
12	Cerebral Palsy, Hydrocephalus, Intellectual disability, Autism spectrum disorders, ADHD
13	Convulsive disorders in Children: Febrile Convulsion
14	Approach to atopic Dermatitis, pyoderma
15	Approach to abdominal pain, evening colic
16	Common Helminthic infection
17	Adolescent care – basic understanding and communicating with adolescents

(h) NUTRITIONAL AND METABOLIC DISORDERS

SI No	TOPICS
GENERAL	General approach to Nutritional deficiency disorders – undernutrition, over nutrition and malnutrition
1	Stunting, underweight
2	Protein Energy Malnutrition
3	Deficiency of Fat-soluble vitamins
4	Deficiency of Water-Soluble vitamins
5	Overnutrition, Obesity
6	Iodine deficiency
7	Micronutrient deficiencies
8	Wilson’s disease/Haemochromatosis/ porphyria’s.
9	Amyloidosis

(i) GERIATRIC DISORDERS

SI No	TOPICS
1	Geriatric care- disabilities in geriatric population
2	Common Geriatric problems (multimorbidity and Adjunct homoeopathy treatment in geriatrics)
3	Gait disorders
4	Elder abuse

(j) DISORDERS ASSOCIATED WITH ENVIRONMENTAL EXPOSURE

SI no	TOPICS
1	Diseases of altitude
2	Diseases of cold exposure
3	Diseases of heat exposure
4	Environmental poisoning

(k) PALLIATIVE AND END-OF-LIFE CARE

SI No	TOPICS
1	Principles of palliative care
2	Indications for palliative care
3	Symptom management in palliative care
4	End-of-life care
5	Importance of psychosocial and spiritual support
6	Homoeopathic care in palliative settings
7	Communication with patients and families
8	Multidisciplinary care
9	Ethical and legal issues in palliative care
10	Impact of palliative care on quality of life

(l) CRITICAL CARE MEDICINE

SI No	Topics
1	Recognition and management of critical emergencies
2	Collaboration in a multidisciplinary critical care team
3	Life-saving procedures in critical care
4	Interpretation of data and decision-making
5	Management protocols for life-threatening acute conditions
6	Homeopathic remedies for specific acute emergencies
7	Protocols for stabilizing critically ill patients
8	Infection control protocols in critical care units
9	Ethical issues in critical care decision-making
10	Innovations improving critical care outcomes

(m) MISCELLANEOUS

SI No	Topics
1	Stem cell biology and current status of therapy
2	Tele-medicine and tele-homoeopathy
3	Integrative health care: current status and possibilities

4. Teaching hours

4.1. Gross division of teaching hrs

Sr No	Subject	Theory/ Lecture	Non- lecture (Clinical/ Tutorial / Seminar)
1	Hom UG-PM-III	300 Hours	300 Hours 1. Clinical- 210* 2. Demonstrative- 90 a. Seminar/Tutorial- 70 b. Field visits/Problem based/Case based learning/Skill lab training/ Integrated learning /Symposium /Group Discussion/Assignments etc.- 20

* Outpatient Department (OPD), Inpatient Department (IPD) and specialty clinics like Paediatrics, Pulmonology, Cardiology, Nephrology, Gastroenterology, Dermatology, Psychiatry, Oncology or any other, functioning under the department, in attached hospital/Super specialty hospital with Memorandum of Understanding (MoU).

4.2 Teaching hours distribution - Theory- 300 hrs

SI NO	SYSTEM TO BE COVERED	HOURS
1	Disorders of CVS	45
2	Musculoskeletal and Connective Tissue Disorders	35
3	Disorders of Central Nervous System and Peripheral Nervous System	40
4	Disorders of Haematopoietic System	35
5	Psychiatric Disorders	30
6	Dermatological and Sexually Transmitted Disorders	30
7	Paediatric Diseases	30
8	Nutritional and Metabolic Disorders	20
9	Geriatric Disorders	6
10	Disorders Associated with Environmental Exposure	4
11	Palliative and End-of-Life Care	10
12	Critical Care Medicine	10
13	Miscellaneous	5
Total		300 Hours

4.3 Teaching hours non-lectures

Sr. No.	Topic	Hours
I.	Clinical	210
1	Clinical Demonstration (Focus on practical demonstrations of clinical skills, procedures, and patient interactions.)	190
2	OSCE – Objective Structure Clinical Examination (Structured clinical assessments to evaluate students' practical and communication skills.)	10
3	Mini-CEX - mini clinical evaluation exercise/ DOPS (Direct observation and feedback on students' clinical performance in real or simulated settings.)	10
II.	Seminars and Tutorials	70
III.	Simulation – with mannequins (Hands-on practice of clinical skills and emergency scenarios using mannequins.)	5
IV.	Case Based Discussion Method: PBL - Problem Based Learning (Students solve clinical problems in groups, fostering critical thinking and decision-making.) Case based Learning (Discussion and analysis of real or simulated cases to enhance diagnostic and management skills.)	5 5
V.	Projects: Chart and Model (Students create charts or models to explain diseases, anatomy, or treatment plans.) Assignment (Research-based assignments to deepen understanding of specific topics.)	5
Total		300

5. Content mapping

COMPETENCY TABLES - DISORDERS OF CVS

SI No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Heart Failure										
HomUG-PM III.1.1	Knowledge and Scholarship	Knows	Definition, classification (HFrEF, HFpEF), clinical features, diagnostic criteria	Recognize symptoms and signs of heart failure and correlate with diagnostic tests like BNP, ECG, echocardiogram	C2	MK	Bedside clinical teaching, case discussions	OSCE checklist, feedback	OSCE, Viva Voce	Internal Medicine, Radiology
HomUG-PM III.1.2		Knows	Cardiac output, preload, afterload, neurohormonal mechanisms (RAAS, SNS)	Understand mechanisms leading to reduced cardiac output and compensatory responses	C2	MK	Didactic lectures, integrated teaching	Quiz, Q&A sessions	MCQs, Essay	Physiology, Pathology, Internal Medicine
HomUG-PM III.1.3		Knows how	Acute (oxygen therapy, diuretics, inotropes), chronic (ACE inhibitors, beta-blockers, lifestyle changes)	Develop treatment plans including pharmacologic and non-pharmacologic interventions	C3	MK	Small-group discussions, problem-based learning	OSCE checklist, case discussions	OSCE, Case-based Viva	Internal Medicine, Pharmacology
HomUG-PM III.1.4	Homoeopathic Orientation	Knows how	Common remedies: Arsenicum album, Digitalis, Crataegus, Cactus grandiflorus, Convallaria	Select and prescribe homoeopathic remedies based on individual symptoms, constitution, and totality	C3	MK	Case-based discussions, repertory exercises	Prescription-writing exercise	Case-based Viva, OSCE	Homoeopathic Materia Medica, Organon

HomUG-PM III.1.5	Knowledge and Scholarship	Shows how	Lifestyle modifications (diet, fluid restriction, exercise), medication adherence, early warning signs	Educate patients on self-management, early symptom recognition, and adherence to allopathic and homoeopathic treatments	A4	MK	Role-play, patient counseling sessions	Role-play feedback	OSCE, Viva	Internal Medicine, Preventive Medicine, Homoeopathy
HomUG-PM III.1.6		Knows how	Echocardiogram, BNP levels, chest X-ray, ECG	Identify diagnostic findings indicative of heart failure, assess severity, and correlate with homoeopathic diagnosis	C3	MK	Case-based discussions, simulation exercises	Test interpretation discussions	MCQs, Short Notes	Internal Medicine, Radiology
HomUG-PM III.1.7	Homoeopathic Orientation	Knows how	Miasmatic approach (Psora, Syphilis, Sycosis) and susceptibility	Apply homoeopathic principles in understanding heart failure, including miasmatic analysis and susceptibility	C3	MK	Lectures, repertory sessions	Q&A, peer discussions	Essay, Viva	Homoeopathic Materia Medica, Organon, Pathology
HomUG-PM III.1.8	Knowledge and Scholarship	Knows	Devices (ICDs, CRT), heart transplantation, palliative care	Understand indications, benefits, and limitations of advanced interventions alongside homoeopathic care	C2	DK	Didactic lectures, expert talks	Seminar presentations	Essay, Viva	Cardiology, Cardiothoracic Surgery, Homoeopathy
HomUG-PM III.1.9	Homoeopathic Orientation	Knows how	Complications (arrhythmias, renal dysfunction, pulmonary edema), NYHA classification	Evaluate prognosis and complications to guide both homoeopathic and allopathic treatment	C3	DK	Lectures, interactive seminars	Case-based learning feedback	MCQs, Short Notes	Internal Medicine, Pathology, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Ischemic Heart Disease										
HomUG-PM III.2.1	Knowledge and Scholarship	Knows how	Types: stable angina, unstable angina, myocardial infarction (STEMI, NSTEMI)	Differentiate between various types of IHD based on pathophysiology and clinical presentation	C3	Must Know	Didactic lectures, group discussions	Quiz, Q&A sessions	MCQs, Essay	Internal Medicine, Pathology
HomUG-PM III.2.2		Knows	Risk factors: smoking, hypertension, diabetes, dyslipidemia, obesity, family history	Identify modifiable and non-modifiable risk factors and understand the atherosclerotic process	C2	Must Know	Interactive seminars, problem-based learning	Case-based discussion feedback	MCQs, Short Notes	Preventive Medicine, Internal Medicine
HomUG-PM III.2.3		Knows	Symptoms: chest pain, radiation patterns, associated symptoms (sweating, dyspnea, nausea)	Interpret the clinical presentation and associate with specific types of IHD	C2	Must Know	Case presentations, bedside teaching	Bedside clinical assessment	OSCE, Short Notes	Internal Medicine, Cardiology
HomUG-PM III.2.4		Knows	ECG, cardiac biomarkers (Troponin, CK-MB), stress tests, echocardiography, coronary angiography	Understand diagnostic protocols and their clinical relevance	C2	Must Know	Lab demonstrations, case discussions	Test interpretation exercises	MCQs, OSCE	Internal Medicine, Radiology

HomUG-PM III.2.5		Knows how	Stable: lifestyle changes, nitrates, beta-blockers, aspirin, statins; Unstable: emergency care	Formulate management strategies for acute and chronic phases of IHD	C3	Must Know	Role-play, clinical rounds	Prescription writing exercises	OSCE, Case-based Viva	Internal Medicine, Pharmacology
HomUG-PM III.2.6		Knows how	Reperfusion (thrombolysis, PCI), medical therapy (antiplatelets, anticoagulants, ACE inhibitors)	Develop management plans for acute MI and monitor post-MI complications	C3	Must Know	Emergency simulations, ACLS workshops	Simulation feedback	OSCE, Case-based Viva	Emergency Medicine, Cardiology
HomUG-PM III.2.7		Shows how	Diet, smoking cessation, physical activity, stress management	Educate on primary and secondary prevention strategies for IHD	A4	Must Know	Role-play, patient counselling sessions	Counselling session feedback	OSCE, Viva	Preventive Medicine, Internal Medicine
HomUG-PM III.2.8	Homoeopathic Orientation	Knows how	Common remedies: Cactus grandiflorus , Crataegus , Laurocerasus , Arsenicum album , Nux vomica	Select and prescribe remedies based on symptomatology and patient constitution	C3	Must Know	Repertory-based exercises, case studies	Prescription writing feedback	Viva, OSCE	Homoeopathic Materia Medica, Organon
HomUG-PM III.2.9	Knowledge and Scholarship	Knows how	Arrhythmias, heart failure, cardiogenic shock, pericarditis	Assess risk and plan management for post-IHD complications	C3	Must Know	Case discussions, interactive seminars	Case presentation feedback	MCQs, Short Notes	Internal Medicine, Pathology
HomUG-PM III.2.10		Knows	PCI, CABG, cardiac rehabilitation	Explain indications, risks, and outcomes of invasive interventions	C2	Desirable to know	Expert talks, clinical observerships	Seminar presentations	Essay, Viva	Cardiology, Cardiothoracic Surgery

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Rheumatic fever: Acute & Chronic										
HomUG-PM III.3.1	Knowledge and Scholarship	Knows	Definition, acute vs. chronic forms, Jones criteria, complications (carditis, valvular disease)	Differentiate between acute and chronic rheumatic fever and list diagnostic criteria	C2	Must Know	Didactic lectures, group discussions	Quiz, Q&A sessions	MCQs, Essay	Internal Medicine, Pathology
HomUG-PM III.3.2		Knows	Immune-mediated response to Group A streptococcal infection, molecular mimicry	Describe the pathophysiological basis of the disease, including autoimmunity and inflammation	C2	Must Know	Problem-based learning, interactive seminars	Case-based learning feedback	Essay, MCQs	Microbiology, Immunology, Pathology
HomUG-PM III.3.3		Knows	Major (polyarthritits, carditis, chorea, erythema marginatum, subcutaneous nodules), minor criteria	Recognize clinical presentation and apply Jones criteria for diagnosis	C2	Must Know	Bedside clinical teaching, case discussions	OSCE checklist, peer discussions	OSCE, Short Notes	Internal Medicine, Paediatrics
HomUG-PM III.3.4		Knows how	Progressive valvular damage (mitral, aortic stenosis), heart failure	Identify complications and sequelae of chronic rheumatic fever using clinical and diagnostic tools	C3	Must Know	Case presentations, bedside teaching	Clinical assessment feedback	OSCE, Viva	Internal Medicine, Cardiology

HomUG-PM III.3.5		Knows how	ASO titers, throat swab cultures, ESR, CRP, ECG, echocardiography	Evaluate diagnostic findings in rheumatic fever and correlate with clinical presentation	C3	Must Know	Lab demonstrations, case discussions	Test interpretation discussions	MCQs, OSCE	Internal Medicine, Pathology
HomUG-PM III.3.6		Knows how	Antibiotics (penicillin), anti-inflammatory drugs (aspirin, steroids), supportive care	Develop acute management plans based on clinical severity and manifestations	C3	Must Know	Role-play, emergency simulation training	Prescription-writing exercise	OSCE, Case-based Viva	Internal Medicine, Pharmacology
HomUG-PM III.3.7		Knows	Long-term antibiotic prophylaxis (benzathine penicillin), patient education	Explain strategies for primary and secondary prevention of rheumatic fever	C2	Must Know	Case-based discussions, role-play	Peer discussion feedback	MCQs, Short Notes	Preventive Medicine, Paediatrics
HomUG-PM III.3.8		Knows how	Valve repair/replacement, anticoagulation, management of heart failure	Plan long-term management for chronic valvular disease and associated complications	C3	Must Know	Clinical rounds, patient simulations	OSCE checklist, case discussions	OSCE, Case-based Viva	Cardiology, Cardiothoracic Surgery
HomUG-PM III.3.9	Homoeopathic Orientation	Knows how	Common remedies: Belladonna, Bryonia, Apis mellifica, Rhus toxicodendron, Spigelia	Select and prescribe homoeopathic remedies based on presenting symptoms and miasmatic understanding	C3	Must Know	Repertory exercises, case studies	Prescription-writing feedback	Viva, OSCE	Homoeopathic Materia Medica, Organon
HomUG-PM III.3.10	Knowledge and Scholarship	Shows how	Education on hygiene, early treatment of sore throat, adherence to prophylaxis	Teach patients and families about preventive measures and the importance of treatment adherence	A4	Must Know	Role-play, patient counseling sessions	Role-play feedback	OSCE, Viva	Preventive Medicine, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Valvular heart diseases: Stenosis & Regurgitation (Mitral, Tricuspid, Aortic, Pulmonary)										
HomUG-PM III.4.1	Knowledge and Scholarship	Knows how	Definition and classification: stenosis, regurgitation, combined lesions	Differentiate stenosis and regurgitation in various cardiac valves	C3	Must Know	Didactic lectures, group discussions	Quiz, Q&A sessions	MCQs, Essay	Internal Medicine, Pathology
HomUG-PM III.4.2		Knows	Hemodynamic effects of stenosis and regurgitation on cardiac output, ventricular function	Describe how stenosis and regurgitation lead to volume or pressure overload	C2	Must Know	Problem-based learning, interactive seminars	Case-based learning feedback	Essay, MCQs	Cardiology, Pathology
HomUG-PM III.4.3		Knows	Symptoms: dyspnoea, fatigue, palpitations, syncope; signs: murmurs, thrills, jugular venous pulse	Recognize clinical presentation and correlate with specific valvular lesions	C2	Must Know	Bedside clinical teaching, case discussions	OSCE checklist, peer discussions	OSCE, Short Notes	Internal Medicine, Cardiology
HomUG-PM III.4.4		Knows how	ECG, chest X-ray, echocardiography, Doppler studies, cardiac catheterization	Evaluate diagnostic findings in valvular diseases	C3	Must Know	Lab demonstrations, case discussions	Test interpretation discussions	MCQs, OSCE	Internal Medicine, Radiology

HomUG-PM III.4.5		Knows how	Medical: beta-blockers, anticoagulants; Surgical: balloon valvuloplasty, valve replacement	Develop a management plan for mitral stenosis including indications for intervention	C3	Must Know	Clinical rounds, patient simulations	Prescription-writing feedback	OSCE, Case-based Viva	Cardiology, Cardiothoracic Surgery
HomUG-PM III.4.6		Knows	Medical: afterload reduction (ACE inhibitors), surgical repair/replacement	Explain indications and timing for surgical correction in mitral regurgitation	C2	Must Know	Case-based discussions, role-play	Peer discussion feedback	OSCE, Short Notes	Cardiology, Cardiothoracic Surgery
HomUG-PM III.4.7		Knows how	Medical: symptom management, valve replacement; avoid vasodilators in severe cases	Formulate a management plan including TAVI (Transcatheter Aortic Valve Implantation)	C3	Must Know	Emergency simulation training, workshops	Simulation exercise feedback	OSCE, Case-based Viva	Cardiology, Emergency Medicine
HomUG-PM III.4.8		Knows how	Medical: afterload reduction (vasodilators), surgical valve replacement	Plan management strategies based on severity and symptoms of aortic regurgitation	C3	Must Know	Clinical discussions, role-play	Prescription-writing exercise	OSCE, Case-based Viva	Cardiology, Internal Medicine
HomUG-PM III.4.9		Knows	Medical: diuretics, treatment of underlying conditions; Surgical: valve repair/replacement	Understand the management approach for right-sided valvular lesions	C2	Desirable to Know	Expert talks, case studies	Seminar presentations	MCQs, Essay	Cardiology, Cardiothoracic Surgery
HomUG-PM III.4.10	Homoeopathic Orientation	Knows how	Common remedies: Cactus grandiflorus, Spigelia, Arsenicum album, Digitalis, Crataegus	Select and prescribe homoeopathic remedies based on the symptomatology and constitution	C3	Must Know	Repertory exercises, clinical case studies	Prescription-writing feedback	Viva, OSCE	Homoeopathic Materia Medica, Organon

HomUG-PM III.4.11	Knowledge and Scholarship	Shows how	Education on disease progression, symptoms to monitor, lifestyle changes, importance of follow-up	Teach patients about recognizing complications and adhering to treatment	A4	Must Know	Role-play, patient counselling sessions	Counselling session feedback	OSCE, Viva	Preventive Medicine, Internal Medicine
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Infective Endocarditis

HomUG-PM III.5.1	Knowledge and Scholarship	Knows	Definition, classification (acute, subacute), risk factors, and predisposing conditions	Explain the definition, types, and risk factors of infective endocarditis	C2	Must Know	Didactic lectures, group discussions	Quiz, Q&A sessions	MCQs, Essay	Internal Medicine, Microbiology
HomUG-PM III.5.2		Knows	Endothelial injury, microbial colonization, vegetation formation, systemic embolization	Describe the pathogenesis and mechanisms leading to complications in infective endocarditis	C2	Must Know	Problem-based learning, interactive seminars	Case-based learning feedback	Essay, MCQs	Microbiology, Pathology
HomUG-PM III.5.3		Knows how	Symptoms: fever, fatigue, weight loss; Signs: murmur, petechiae, splinter	Recognize clinical presentation and specific features of infective endocarditis	C3	Must Know	Bedside clinical teaching, case discussions	OSCE checklist, peer discussions	OSCE, Short Notes	Internal Medicine, Cardiology

			haemorrhages, Osler's nodes, Janeway lesions							
HomUG-PM III.5.4		Knows how	Blood cultures, echocardiography (TTE, TEE), CRP, ESR, CBC, imaging studies	Interpret laboratory and imaging findings to confirm the diagnosis of infective endocarditis	C3	Must Know	Lab demonstrations, case discussions	Test interpretation discussions	MCQs, OSCE	Internal Medicine, Microbiology, Radiology
HomUG-PM III.5.5		Knows how	Empirical and targeted antibiotic therapy based on culture results, supportive care	Formulate a medical treatment plan, including appropriate antibiotics and duration of therapy	C3	Must Know	Clinical rounds, patient simulations	Prescription-writing feedback	OSCE, Case-based Viva	Internal Medicine, Pharmacology
HomUG-PM III.5.6		Knows	Indications for valve repair/replacement (e.g., heart failure, uncontrolled infection)	Explain indications for surgical management in infective endocarditis	C2	Must Know	Expert talks, case discussions	Peer discussion feedback	OSCE, Short Notes	Cardiology, Cardiothoracic Surgery
HomUG-PM III.5.7		Knows how	Prophylactic antibiotics for high-risk patients undergoing dental or surgical procedures	Describe preventive strategies, including prophylaxis guidelines for high-risk groups	C3	Must Know	Case-based discussions, role-play	Seminar presentations	MCQs, Short Notes	Preventive Medicine, Internal Medicine
HomUG-PM III.5.8	Homoeopathic Orientation	Knows how	Common remedies: Arsenicum album, Baptisia, Lachesis, Pyrogenium, Spigelia	Select and prescribe homoeopathic remedies based on presenting symptoms and miasmatic analysis	C3	Must Know	Repertory exercises, clinical case studies	Prescription-writing feedback	Viva, OSCE	Homoeopathic Materia Medica, Organon

HomUG-PM III.5.9	Knowledge and Scholarship	Shows how	Education on the importance of adherence to treatment, recognizing symptoms of relapse	Teach patients and families about the disease, prevention of recurrence, and importance of follow-up care	A4	Must Know	Role-play, patient counseling sessions	Counseling session feedback	OSCE, Viva	Preventive Medicine, Internal Medicine
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Hypertension										
HomUG-PM III.6.1	Knowledge and Scholarship	Knows	Definition, classification (primary/essential, secondary, hypertensive urgency/emergency)	Describe the types of hypertensions and differentiate between primary and secondary hypertension	C2	Must Know	Didactic lectures, group discussions	Quiz, Q&A sessions	MCQs, Essay	Internal Medicine, Physiology
HomUG-PM III.6.2		Knows	Mechanisms: RAAS activation, sympathetic overactivity, endothelial dysfunction, renal factors	Explain the underlying pathophysiological mechanisms in hypertension	C2	Must Know	Problem-based learning, interactive seminars	Diagram-based quizzes	Essay, MCQs	Physiology, Pathology

HomUG-PM III.6.3	Knows how	Risk factors: genetics, lifestyle, obesity, stress; Complications: stroke, MI, CKD, retinopathy	Recognize risk factors and potential complications of poorly controlled hypertension	C3	Must Know	Clinical discussions, interactive case studies	Q&A during case discussions	MCQs, Short Notes	Internal Medicine, Preventive Medicine
HomUG-PM III.6.4	Shows how	Techniques of BP measurement (manual, automated), factors affecting accuracy	Demonstrate correct BP measurement and interpret values based on guidelines	C3/P2	Must Know	Bedside teaching, practical demonstrations	Direct observation feedback	OSCE, Practical Exam	Internal Medicine, Community Medicine
HomUG-PM III.6.5	Knows how	Diagnostic criteria (JNC/ESC guidelines), investigations (urinalysis, ECG, serum electrolytes)	Formulate a diagnosis of hypertension based on clinical findings and investigations	C3	Must Know	Case-based discussions, ward rounds	Case-based feedback	OSCE, Case-based Viva	Cardiology, Pathology
HomUG-PM III.6.6	Knows how	Lifestyle modification (DASH diet, exercise, weight loss), pharmacotherapy (ACEIs, ARBs, etc.)	Develop a treatment plan, including lifestyle and pharmacological management	C3	Must Know	Clinical rounds, patient simulations	Prescription-writing feedback	OSCE, Case-based Viva	Internal Medicine, Pharmacology
HomUG-PM III.6.7	Knows how	Identify causes (renal, endocrine, vascular) and target treatment to underlying condition	Explain the approach to diagnosing and treating secondary hypertension	C3	Must Know	Expert talks, case discussions	Q&A sessions, peer review	MCQs, Short Notes	Cardiology, Internal Medicine
HomUG-PM III.6.8	Knows how	Immediate BP reduction (IV antihypertensives), monitoring for complications	Formulate an acute management plan for hypertensive crises	C3	Must Know	Emergency simulation training, workshops	Simulation feedback	OSCE, Case-based Viva	Cardiology, Emergency Medicine

HomUG-PM III.6.9	Homoeopathic Orientation	Knows how	Common remedies: Crataegus, Natrum mur, Belladonna, Aurum met, Glonoine	Select and prescribe remedies based on symptomatology, constitution, and miasmatic analysis	C3	Must Know	Repertory exercises, clinical case studies	Prescription-writing feedback	Viva, OSCE	Homoeopathic Materia Medica, Organon
HomUG-PM III.6.10	Knowledge and Scholarship	Shows how	Importance of diet, exercise, stress management, smoking cessation	Educate patients and families on non-pharmacological strategies for BP control	Affective, Psychomotor	Must Know	Role-play, counselling sessions	Counselling feedback	OSCE, Viva	Preventive Medicine, Community Medicine
HomUG-PM III.6.11		Knows how	Follow-up protocols, monitor BP trends, assess for side effects and compliance	Plan follow-up visits and evaluate treatment adherence and effectiveness	C3	Must Know	Bedside clinical teaching, patient follow-ups	Checklist-based evaluations	OSCE, Practical Exam	Internal Medicine, Preventive Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Cardiomyopathies										
HomUG-PM III.7.1	Knowledge and Sholarship	Knows	Definition and classification: dilated, hypertrophic, restrictive, arrhythmogenic RV, unclassified	Describe the types and features of cardiomyopathies	C2	Must Know	Didactic lectures, group discussions	Quiz, Q&A sessions	MCQs, Short Notes	Internal Medicine, Pathology

HomUG-PM III.7.2	Knows	Molecular and cellular mechanisms: genetic mutations, fibrosis, inflammation, myocardial dysfunction	Explain the pathophysiological basis of different types of cardiomyopathies	C2	Must Know	Interactive seminars, problem-based learning	Diagram-based quizzes	Essay, MCQs	Pathology, Physiology
HomUG-PM III.7.3	Knows how	Symptoms: dyspnoea, palpitations, syncope; Signs: murmurs, S3 gallop, arrhythmias, heart failure	Identify clinical presentations and differentiate types based on history and examination	C3	Must Know	Clinical case discussions, bedside teaching	Case-based discussions	OSCE, Case-based Viva	Internal Medicine, Cardiology
HomUG-PM III.7.4	Knows how	ECG, echocardiography, MRI, genetic testing, biopsy, cardiac enzymes	Interpret diagnostic test results specific to cardiomyopathies	C3	Must Know	Lab demonstrations, ward rounds	Diagnostic interpretation exercises	OSCE, MCQs	Radiology, Pathology
HomUG-PM III.7.5	Knows how	Medical management: ACE inhibitors, beta-blockers, diuretics, anticoagulants; Lifestyle modification	Develop a comprehensive medical management plan for DCM	C3	Must Know	Case-based learning, clinical discussions	Treatment planning exercises	Case-based Viva, OSCE	Internal Medicine, Pharmacology
HomUG-PM III.7.6	Knows how	Beta-blockers, calcium channel blockers, myectomy, ICD placement	Explain the management options for HCM, including indications for invasive procedures	C3	Must Know	Expert talks, clinical rounds	Peer discussions, Q&A sessions	MCQs, Short Notes	Internal Medicine, Cardiology
HomUG-PM III.7.7	Knows how	Symptom relief, managing comorbidities,	Discuss the approach to treating RCM and its associated conditions	C3	Must Know	Group discussions, ward rounds	Case-based feedback	MCQs, Essay	Internal Medicine, Pathology

			addressing underlying causes (amyloidosis, sarcoidosis)							
HomUG-PM III.7.8		Knows how	Indications for heart transplant, ventricular assist devices (VADs), or palliative care	Identify cases requiring advanced or palliative interventions	C3	Must Know	Clinical simulations, expert-led discussions	Case discussion feedback	OSCE, Case-based Viva	Cardiology, Cardiothoracic Surgery
HomUG-PM III.7.9	Homoeopathic orientation	Knows how	Remedies: Crataegus, Cactus grandiflorus, Aurum metallicum, Arsenicum album	Select and prescribe homoeopathic remedies based on presenting symptoms and miasmatic evaluation	C3	Must Know	Repertory exercises, clinical case studies	Prescription-writing feedback	Viva, OSCE	Homoeopathic Materia Medica, Organon
HomUG-PM III.7.10		Shows how	Importance of adherence, lifestyle changes, genetic counseling for familial cardiomyopathies	Educate patients and families on disease progression, prevention, and treatment adherence	A4	Must Know	Role-play, counselling sessions	Counselling session feedback	OSCE, Viva	Preventive Medicine, Community Medicine

Sl. No	Competency	Millers Level: Does/Shows how/ Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Arrhythmias, Supraventricular Tachycardia										
HomUG-PM III.8.1	Knowledge and Scholarship	Knows how	Definition, classification (supraventricular, ventricular, bradyarrhythmias, tachyarrhythmias)	Differentiate between various types of arrhythmias	C3	Must Know	Didactic lectures, group discussions	Quiz, Q&A sessions	MCQs, Short Notes	Internal Medicine, Cardiology
HomUG-PM III.8.2		Knows	Mechanisms: abnormal impulse generation (automaticity, triggered activity), conduction disturbances	Explain the mechanisms underlying arrhythmias	C2	Must Know	Interactive seminars, problem-based learning	Diagram-based quizzes	MCQs, Essay	Physiology, Pathology
HomUG-PM III.8.3		Knows	Symptoms: palpitations, dizziness, syncope; Signs: irregular pulse, BP fluctuations	Recognize clinical manifestations of arrhythmias	C2	Must Know	Clinical discussions, bedside teaching	Case-based discussions	OSCE, Case-based Viva	Internal Medicine, Cardiology
HomUG-PM III.8.4		Knows how	Clinical features, ECG findings (narrow QRS, regular rhythm, P waves hidden in T waves)	Interpret ECGs to identify SVT	C3	Must Know	Practical ECG workshops, ward rounds	ECG interpretation exercises	OSCE, Practical Exam	Cardiology, Emergency Medicine
HomUG-PM III.8.5		Knows how	Vagal manoeuvres, adenosine, beta-blockers, calcium channel blockers, synchronized cardioversion	Demonstrate stepwise management of acute SVT	C3/P2	Must Know	Emergency simulation, clinical case discussions	Case-based feedback	OSCE, Viva	Cardiology, Emergency Medicine
HomUG-PM III.8.6		Knows how	Medical: beta-blockers, antiarrhythmics; Invasive: ablation therapy	Explain long-term management strategies for chronic SVT	C3	Must Know	Expert talks, clinical discussions	Peer discussions, Q&A sessions	MCQs, Short Notes	Cardiology, Internal Medicine
HomUG-PM III.8.7	Homoeopathic Orientation	Knows how	Remedies: Crataegus , Cactus grandiflorus ,	Select and prescribe homoeopathic remedies based	C3	Must Know	Repertory exercises,	Prescription-writing feedback	Viva, OSCE	Homoeopathic Materia

			Lilium tigrinum, Digitalis, Aconite	on symptoms and miasmatic evaluation			clinical case studies			Medica, Organon
HomUG-PM III.8.8	Knowledge and Scholarship	Shows how	Lifestyle changes (caffeine reduction, stress management), medication adherence, device usage	Educate patients and families on arrhythmia management and prevention of recurrence	A4	Must Know	Counselling sessions, role-play	Counselling session feedback	OSCE, Viva	Preventive Medicine, Community Medicine
HomUG-PM III.8.9		Knows how	Regular ECGs, Holter monitoring, check for complications like stroke, heart failure	Plan follow-ups and assess treatment outcomes	C3	Must Know	Bedside clinical teaching, patient follow-ups	Checklist-based evaluations	OSCE, Practical Exam	Internal Medicine, Cardiology

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Cor-pulmonale and pulmonary hypertension										
HomUG-PM III.9.1	Knowledge and Scholarship	Knows	Definition of cor pulmonale (right-sided heart failure due to lung disease) and pulmonary hypertension	Differentiate between cor pulmonale and pulmonary hypertension based on pathophysiology and clinical criteria	C2	Must Know	Didactic lectures, group discussions	Quiz, short notes	MCQs, Short Answer Questions	Internal Medicine, Cardiology,

										Pulmonology
HomUG-PM III.9.2		Knows	Pathophysiology: pulmonary vasoconstriction, vascular remodelling, increased pulmonary arterial pressure	Explain the underlying mechanisms of pulmonary hypertension and cor pulmonale	C2	Must Know	Interactive seminars, problem-based learning	Diagram-based quizzes	MCQs, Essay	Physiology, Pathology
HomUG-PM III.9.3		Knows how	Symptoms: dyspnoea, fatigue, syncope; Signs: elevated JVP, hepatomegaly, peripheral oedema	Recognize and describe clinical presentations of cor pulmonale and pulmonary hypertension	C3	Must Know	Bedside teaching, clinical discussions	Case-based discussions	OSCE, Case-based Viva	Internal Medicine, Pulmonology
HomUG-PM III.9.4		Knows how	Chest X-ray, ECG, echocardiography, right heart catheterization, pulmonary function tests	Interpret diagnostic test results for pulmonary hypertension and cor pulmonale	C3	Must Know	Lab demonstrations, ward rounds	Diagnostic interpretation exercises	OSCE, Practical Exam	Radiology, Cardiology
HomUG-PM III.9.5		Knows how	Medical: oxygen therapy, diuretics, anticoagulants, vasodilators, endothelin receptor antagonists	Explain medical management approaches for pulmonary hypertension, including specific drug indications	C3	Must Know	Expert talks, clinical discussions	Peer discussions, Q&A sessions	MCQs, Essay	Internal Medicine, Pharmacology
HomUG-PM III.9.6		Knows how	Acute: treat underlying cause, oxygen, diuretics; Chronic: long-term oxygen therapy, pulmonary rehab	Develop a comprehensive treatment plan for acute and chronic cor pulmonale	C3	Must Know	Case-based learning, clinical discussions	Case-based feedback	OSCE, Case-based Viva	Pulmonology, Internal Medicine
HomUG-PM III.9.7	Homoeopathic Orientation	Knows how	Remedies: Antimonium tartaricum, Carbo veg, Digitalis, Arsenicum album, Laurocerasus	Select and prescribe homoeopathic remedies for cor pulmonale and pulmonary hypertension	C3	Must Know	Repertory exercises, clinical case studies	Prescription-writing feedback	Viva, OSCE	Homoeopathic Materia Medica, Organon

HomUG-PM III.9.8	Knowledge and Scholarship	Shows how	Lifestyle changes, smoking cessation, adherence to oxygen therapy, recognizing early symptoms	Educate patients and families about disease progression, prevention, and importance of treatment adherence	A4	Must Know	Role-play, counselling sessions	Counselling session feedback	OSCE, Viva	Preventive Medicine , Community Medicine
HomUG-PM III.9.9		Knows how	Regular follow-ups: monitoring right ventricular function, assessing for secondary complications	Plan follow-ups and evaluate the effectiveness of interventions	C3	Must Know	Clinical rounds, patient follow-ups	Checklist- based evaluations	OSCE, Practical Exam	Cardiology, Internal Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Congenital heart diseases: Acyanotic & Cyanotic - ASD, VSD, COA, PDA, TOF										
HomUG- PM III.10.1	Knowledge and Scholarship	Knows	Definition and classification: acyanotic (ASD, VSD, PDA, COA) and cyanotic (TOF)	Differentiate between acyanotic and cyanotic CHDs based on clinical features and pathophysiology	C2	Must Know	Didactic lectures, group discussions	Quiz, short notes	MCQs, Short Answer Questions	Anatomy, Physiology, Paediatrics

HomUG-PM III.10.2		Knows	Development of the heart, septation, and defects leading to CHDs	Explain embryological development and how defects lead to acyanotic and cyanotic conditions	C2	Must Know	Interactive seminars, problem-based learning	Diagram-based quizzes	MCQs, Essay	Anatomy, Embryology
HomUG-PM III.10.3		Knows how	Acyanotic: murmurs, heart failure symptoms; Cyanotic: cyanosis, clubbing, squatting	Recognize and describe clinical presentations of acyanotic and cyanotic CHDs	C3	Must Know	Bedside teaching, clinical discussions	Case-based discussions	OSCE, Case-based Viva	Paediatrics, Internal Medicine
HomUG-PM III.10.4		Knows how	ECG, echocardiography, chest X-ray, cardiac catheterization	Interpret diagnostic test results for CHDs	C3	Must Know	Practical sessions, ward rounds	Diagnostic interpretation exercises	OSCE, Practical Exam	Cardiology, Radiology
HomUG-PM III.10.5		Knows how	Medical: diuretics, ACE inhibitors, prophylaxis for endocarditis; Surgical: closure procedures	Outline medical and surgical management of acyanotic CHDs	C3	Must Know	Expert talks, clinical discussions	Peer discussions, Q&A sessions	MCQs, Essay	Cardiology, Internal Medicine
HomUG-PM III.10.6		Knows how	Medical: prostaglandin E1 in duct-dependent lesions; Surgical: definitive repair (e.g., TOF repair)	Describe management strategies for cyanotic CHDs	C3	Must Know	Case-based learning, clinical discussions	Case-based feedback	OSCE, Case-based Viva	Paediatrics, Cardiology
HomUG-PM III.10.7	Homoeopathic Orientation	Knows how	Remedies: Digitalis, Crataegus, Baryta carb, Calcarea carb, Aconite	Select and prescribe homoeopathic remedies for symptomatic management	C3	Must Know	Repertory exercises, clinical case studies	Prescription-writing feedback	Viva, OSCE	Homoeopathic Materia Medica, Organon

HomUG-PM III.10.8	Knowledge and Scholarship	Shows how	Importance of early diagnosis, adherence to treatment, and regular follow-ups	Educate families about the condition, treatment options, and prognosis	A4	Must Know	Role-play, counselling sessions	Counselling session feedback	OSCE, Viva	Preventive Medicine, Community Medicine
HomUG-PM III.10.9		Knows how	Regular monitoring for growth, development, and complications like Eisenmenger's syndrome	Plan follow-ups and evaluate the effectiveness of interventions	C3	Must Know	Bedside clinical teaching, patient follow-ups	Checklist-based evaluations	OSCE, Practical Exam	Cardiology, Paediatrics

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Disorders of Myocardium										
HomUG-PM III.11.1	Knowledge and Scholarship	Knows how	Overview of myocardium disorders: Define and differentiate cardiomyopathies (dilated, hypertrophic, restrictive), myocarditis	Differentiate between types of myocardium disorders based on pathophysiology and aetiology	C3	Must Know	Didactic lectures, group discussions	Quiz, short notes	MCQs, Short Answer Questions	Cardiology, Pathology

HomUG-PM III.11.2		Knows	Pathophysiology of myocardial disorders: structural changes, inflammation, genetic mutations	Explain underlying mechanisms of cardiomyopathies and myocarditis	C2	Must Know	Interactive seminars, problem-based learning	Diagram-based quizzes	MCQs, Essay	Pathology, Physiology
HomUG-PM III.11.3		Knows how	Symptoms: dyspnoea, chest pain, palpitations; Signs: S3, S4 gallop, heart failure indicators	Recognize and describe clinical presentations of myocardial disorders	C3	Must Know	Bedside teaching, clinical discussions	Case-based discussions	OSCE, Case-based Viva	Internal Medicine, Cardiology
HomUG-PM III.11.4		Knows how	ECG, echocardiography, cardiac MRI, biopsy for myocarditis	Interpret diagnostic findings for myocardial disorders	C3	Must Know	Lab demonstrations, ward rounds	Diagnostic interpretation exercises	OSCE, Practical Exam	Radiology, Internal Medicine
HomUG-PM III.11.5		Knows how	Medical: ACE inhibitors, beta-blockers, diuretics; Surgical: ICD, heart transplant	Develop management plans for dilated cardiomyopathy	C3	Must Know	Case-based learning, clinical discussions	Case-based feedback	OSCE, Case-based Viva	Cardiology, Pharmacology
HomUG-PM III.11.6		Knows how	Hypertrophic: beta-blockers, calcium channel blockers; Restrictive: diuretics, anticoagulants	Differentiate and outline treatment strategies for hypertrophic and restrictive cardiomyopathy	C3	Must Know	Expert talks, clinical discussions	Peer discussions, Q&A sessions	MCQs, Essay	Internal Medicine, Pharmacology
HomUG-PM III.11.7	Homoeopathic Orientation	Knows how	Remedies: Crataegus, Spigelia, Cactus grandiflorus, Arsenicum album, Digitalis	Select and prescribe remedies for symptomatic management of myocardial disorders	C3	Must Know	Repertory exercises, clinical case studies	Prescription-writing feedback	Viva, OSCE	Homoeopathic Materia Medica, Organon
HomUG-PM III.11.8	Knowledge and Scholarship	Shows how	Lifestyle changes, activity modifications, adherence to medications,	Educate patients about disease progression, treatment options, and self-care	A4	Must Know	Role-play, counselling sessions	Counselling session feedback	OSCE, Viva	Preventive Medicine, Community Medicine

			recognizing warning signs							
HomUG-PM III.11.9		Knows how	Regular follow-ups: assess left ventricular function, complications like arrhythmias	Plan follow-ups and evaluate treatment response	C3	Must Know	Clinical rounds, patient follow-ups	Checklist-based evaluations	OSCE, Practical Exam	Cardiology, Internal Medicine

Sl. No	Competency	Millers Level: Does/Shows how/ Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Diseases of Pericardium										
HomUG-PM III.12.1	Knowledge and Scholarship	Knows how	Define and differentiate pericardial disorders: acute pericarditis, pericardial effusion, constrictive pericarditis, and pericardial tamponade	Differentiate between the types of pericardial diseases based on clinical and investigative findings	C3	Must Know	Didactic lectures, group discussions	Quiz, short notes	MCQs, Short Answer Questions	Cardiology, Pathology
HomUG-PM III.12.2		Knows	Mechanisms of inflammation, fluid accumulation, and mechanical effects on the heart	Explain the pathophysiology behind acute pericarditis, pericardial effusion, and tamponade	C2	Must Know	Interactive seminars, problem-based learning	Diagram-based quizzes	MCQs, Essay	Pathology, Physiology
HomUG-PM III.12.3		Knows how	Symptoms: chest pain, dyspnoea, orthopnoea; Signs: friction rub,	Recognize and describe clinical presentations of pericardial diseases	C3	Must Know	Bedside teaching, clinical discussions	Case-based discussions	OSCE, Case-based Viva	Cardiology, Internal Medicine

			distended neck veins, pulsus paradoxus							
HomUG- PM III.12.4		Knows how	ECG changes, echocardiography, pericardiocentesis, CT/MRI for effusion, and tamponade	Interpret diagnostic findings for pericardial diseases	C3	Must Know	Lab demonstrations, ward rounds	Diagnostic interpretation exercises	OSCE, Practical Exam	Radiolog y, Internal Medicine
HomUG- PM III.12.5		Knows how	Medical: NSAIDs, colchicine, corticosteroids; Treatment of underlying cause (e.g., infection)	Develop management plans for acute pericarditis and identify causes	C3	Must Know	Case-based learning, clinical discussions	Case-based feedback	OSCE, Case-based Viva	Cardiolog y, Pharmaco logy
HomUG- PM III.12.6		Knows how	Pericardiocentesis, surgical drainage, management of underlying cause (infection, malignancy)	Plan and execute treatment for pericardial effusion and tamponade	C3	Must Know	Clinical case scenarios, clinical teaching	Peer discussions, Q&A sessions	MCQs, Case-based Viva	Cardiolog y, Emergenc y Medicine
HomUG- PM III.12.7		Knows how	Medical management: diuretics, corticosteroids; Surgical: pericardiectomy	Develop a comprehensive management plan for constrictive pericarditis	C3	Must Know	Expert talks, clinical discussions	Case-based feedback	MCQs, Essay	Cardiolog y, Surgery
HomUG- PM III.12.8	Homoeopathic orientation	Knows how	Remedies: Aconite, Belladonna, Kali bichromicum, Arsenicum album, Cactus grandiflorus	Select and prescribe homoeopathic remedies for symptomatic relief of pericardial diseases	C3	Must Know	Repertory exercises, clinical case studies	Prescription- writing feedback	Viva, OSCE	Homoeop athic Materia Medica, Organon
HomUG- PM III.12.9	Knowledge and Scholarship	Shows how	Lifestyle modifications, understanding disease	Educate patients and families about pericardial disease,	A4	Must Know	Role-play, counselling sessions	Counselling session feedback	OSCE, Viva	Preventiv e Medicine,

			progression, and treatment adherence	treatment options, and warning signs						Community Medicine
HomUG-PM III.12.10		Knows how	Regular follow-up for recurrence, complications like chronic pericarditis, heart failure	Plan long-term follow-up and assess treatment outcomes	C3	Must Know	Patient follow-ups, clinical rounds	Checklist-based evaluations	OSCE, Practical Exam	Cardiology, Internal Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Disease of Aorta										
HomUG-PM III.13.1	Knowledge and Scholarship	Knows how	Overview of aortic diseases: aortic aneurysms, aortic dissection, aortic coarctation	Differentiate between types of aortic diseases based on clinical presentation and diagnostic findings	C3	Must Know	Didactic lectures, group discussions	Quiz, short notes	MCQs, Short Answer Questions	Cardiology, Pathology, Surgery
HomUG-PM III.13.2		Knows	Mechanisms of aortic wall degeneration, dissection, rupture, and altered hemodynamics	Explain the pathophysiology behind aortic aneurysms, dissection, and coarctation	C2	Must Know	Interactive seminars, problem-based learning	Diagram-based quizzes	MCQs, Essay	Pathology, Physiology, Vascular Medicine
HomUG-PM III.13.3		Knows how	Symptoms: severe chest pain, back pain, pulses disparity,	Recognize and describe clinical presentations of aortic	C3	Must Know	Bedside teaching,	Case-based discussions	OSCE, Case-	Cardiology, Internal

			syncope; Signs: systolic murmur, shock	aneurysm, dissection, and coarctation			clinical discussions		based Viva	Medicine, Surgery
HomUG-PM III.13.4		Knows how	Imaging: CT, MRI, ultrasound for aneurysms; angiography, echocardiography for dissection	Interpret diagnostic findings for aortic diseases, including dissection, aneurysm, and coarctation	C3	Must Know	Lab demonstrations, ward rounds	Diagnostic interpretation exercises	OSCE, Practical Exam	Radiology, Internal Medicine, Surgery
HomUG-PM III.13.5		Knows how	Medical: beta-blockers, antihypertensives; Surgical: repair, endovascular stenting	Develop management plans for aortic aneurysm based on size, location, and risk factors	C3	Must Know	Case-based learning, clinical discussions	Case-based feedback	OSCE, Case-based Viva	Cardiology, Surgery, Pharmacology
HomUG-PM III.13.6		Knows how	Medical: antihypertensives, pain management; Surgical: emergency surgery for type A dissection	Plan management for aortic dissection based on type (A or B) and hemodynamic stability	C3	Must Know	Clinical case scenarios, clinical teaching	Peer discussions, Q&A sessions	MCQs, Case-based Viva	Cardiology, Surgery, Emergency Medicine
HomUG-PM III.13.7		Knows how	Surgical repair, balloon angioplasty, antihypertensive therapy	Develop a treatment plan for aortic coarctation, considering timing of intervention	C3	Must Know	Expert talks, clinical discussions	Case-based feedback	MCQs, Essay	Surgery, Pediatrics (in case of congenital coarctation)
HomUG-PM III.13.8	Homoeopathic orientation	Knows how	Remedies: Aconite, Crataegus, Arnica montana, Natrum muriaticum, Kali carbonicum	Select and prescribe remedies for managing symptoms and recovery in aortic diseases	C3	Must Know	Repertory exercises, clinical case studies	Prescription-writing feedback	Viva, OSCE	Homoeopathic Materia Medica, Organon
HomUG-PM III.13.9	Knowledge and Scholarship	Shows how	Lifestyle modifications, recognizing early signs of rupture or dissection, treatment adherence	Educate patients and families about managing hypertension, recognizing symptoms of aortic rupture	A4	Must Know	Role-play, counselling sessions	Counselling session feedback	OSCE, Viva	Preventive Medicine, Community Medicine

HomUG-PM III.13.10		Knows how	Regular follow-up for aneurysm size, post-surgical care for dissection, managing hypertension	Plan and assess long-term outcomes and detect complications such as rupture or recurrence	C3	Must Know	Patient follow-ups, clinical rounds	Checklist-based evaluations	OSCE, Practical Exam	Cardiology, Internal Medicine
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Vascular Disorders of Extremities

HomUG-PM III.14.1	Knowledge and Scholarship	Knows how	Overview of vascular disorders: Peripheral Arterial Disease (PAD), Deep Vein Thrombosis (DVT), Varicose veins, and Arterial Ulcers	Differentiate between different vascular conditions of the extremities based on symptoms and clinical examination	C3	Must Know	Didactic lectures, group discussions	Quiz, short notes	MCQs, Short Answer Questions	Cardiovascular Medicine, Surgery, Physiotherapy
HomUG-PM III.14.2		Knows	Mechanisms of atherosclerosis, venous insufficiency, thrombosis, and vascular occlusion	Explain the pathophysiology of PAD, DVT, varicose veins, and arterial ulcers	C2	Must Know	Interactive seminars, case-based learning	Diagram-based quizzes	MCQs, Essay	Pathology, Physiology, Vascular Medicine

HomUG-PM III.14.3		Knows how	Symptoms: claudication, pain, swelling, skin changes, ulcers; Signs: pulses, edema, varicosities, cyanosis	Recognize and describe the clinical features of PAD, DVT, varicose veins, and arterial ulcers	C3	Must Know	Bedside teaching, clinical case studies	Case-based discussions	OSCE, Case-based Viva	Cardiology, Surgery, Dermatology
HomUG-PM III.14.4		Knows how	Imaging: Doppler ultrasound, CT angiography, MRI, venography; Blood tests, ABI (Ankle-Brachial Index)	Interpret diagnostic findings for PAD, DVT, varicose veins, and arterial ulcers	C3	Must Know	Ward rounds, diagnostic workshops	Diagnostic interpretation exercises	OSCE, Practical Exam	Radiology, Internal Medicine, Surgery
HomUG-PM III.14.5		Knows how	Medical: Antiplatelet therapy, statins, vasodilators; Surgical: Angioplasty, bypass surgery, amputation if necessary	Develop management plans for PAD based on clinical stage, severity, and comorbidities	C3	Must Know	Case-based learning, clinical discussions	Case-based feedback	MCQs, Essay	Surgery, Pharmacology, Rehabilitation
HomUG-PM III.14.6		Knows how	Anticoagulation therapy, thrombolysis, compression stockings, leg elevation	Plan treatment for DVT based on location, severity, and risk of pulmonary embolism	C3	Must Know	Case discussions, clinical demonstrations	Peer discussions, Q&A sessions	MCQs, Practical Exam	Internal Medicine, Emergency Medicine, Hematology
HomUG-PM III.14.7		Knows how	Conservative: compression therapy, leg elevation; Surgical: Sclerotherapy, laser therapy, stripping	Plan and implement management strategies for varicose veins, including lifestyle changes and surgical options	C3	Must Know	Clinical teaching, problem-based learning	Case-based feedback	OSCE, Essay	Dermatology, Surgery, Preventive Medicine
HomUG-PM III.14.8		Knows how	Wound care, debridement, revascularization, and	Develop a wound care and management plan for arterial ulcers, considering underlying vascular disease	C3	Must Know	Clinical case-based learning, ward rounds	Wound care assessment, feedback	OSCE, Viva	Surgery, Wound Care, Internal Medicine

			limb salvage surgery if necessary							
HomUG-PM III.14.9	Homoeopathic Orientation	Knows how	Remedies: Aesculus hippocastanum , Hamamelis virginiana , Calcarea fluorica , Arnica montana	Select and prescribe remedies for symptom relief, improving circulation, and reducing inflammation	C3	Must Know	Case studies, repertory exercises	Prescription-writing feedback	Viva, OSCE	Homoeopathic Materia Medica, Organon
HomUG-PM III.14.10	Knowledge and Scholarship	Shows how	Lifestyle modifications, exercise, diet, and avoiding prolonged sitting/standing, elevating legs	Educate patients about lifestyle changes to reduce symptoms and prevent progression of vascular disease	A4	Must Know	Role-playing, patient education workshops	Counseling session feedback	OSCE, Viva	Preventive Medicine, Rehabilitation
HomUG-PM III.14.11		Knows how	Regular follow-up for PAD, DVT, varicose veins, and ulcers to prevent recurrence or complications	Evaluate long-term outcomes and detect complications such as leg ulcers, gangrene, or recurrent thrombosis	C3	Must Know	Follow-up consultations, clinical rounds	Patient follow-up assessments	OSCE, Practical Exam	Cardiology, Surgery, Rehabilitation

COMPETENCY TABLES - MUSCULOSKELETAL AND CONNECTIVE TISSUE DISORDERS

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Basic considerations										
HomUG-PM III.15.01	Knowledge and Scholarship	Knows	Definition, overview, and classification of connective tissue disorders	Explain the basic definition and key features of CT disorders	C2	Must Know	Didactic lectures, group discussions	Short notes, quizzes	MCQs, Short Answer Questions	Anatomy, Histology, Pathology
HomUG-PM III.15.02		Knows	Structure and function of connective tissue components: collagen, elastin, ground substance, fibroblasts	Describe the structure and function of major connective tissue components	C2	Must Know	Interactive lectures, group tasks	Quiz, discussion-based questions	MCQs, Diagrams, Essays	Histology, Physiology
HomUG-PM III.15.03		Knows	Composition and functions of articular cartilage: hyaline cartilage, matrix composition, and joint lubrication	Explain the structural organization and functional roles of articular cartilage	C2	Must Know	Seminars, interactive demonstrations	Diagram labelling, group tasks	MCQs, Viva	Anatomy, Biochemistry
HomUG-PM III.15.04		Knows how	Classification: Synarthrosis, amphiarthrosis, diarthrosis; subtypes (e.g., hinge, ball-and-socket)	Categorize joints based on their structural and functional characteristics	C3	Must Know	Practical demonstrations, clinical discussions	Case-based discussions	OSCE, Objective Tests	Orthopaedics, Anatomy, Surgery

HomUG-PM III.15.05		Knows how	Rheumatic diseases classification: inflammatory, degenerative, metabolic, and infectious	Differentiate between inflammatory and non-inflammatory rheumatic diseases	C3	Must Know	Problem-based learning, case discussions	Group discussions, feedback	MCQs, Viva	Rheumatology, Pathology
HomUG-PM III.15.06		Knows	Epidemiology, pathogenesis, and general clinical presentation of CT and rheumatic disorders	Summarize the epidemiological trends, pathogenesis, and clinical features of CT and rheumatic disorders	C2	Must Know	Interactive discussions, video sessions	Short notes, quizzes	Essay-based Questions	Internal Medicine, Epidemiology
HomUG-PM III.15.07		Knows	Genetic, immune, and biochemical aspects of CT diseases	Describe the genetic predispositions and molecular mechanisms underlying CT diseases	C2	Desirable to Know	Tutorials, video demonstrations	Molecular mechanism quizzes	Diagram-based Questions	Genetics, Molecular Biology
HomUG-PM III.15.08	Homoeopathic Orientation	Knows how	Homeopathic remedies: Rhus tox , Bryonia alba , Arnica montana , Calcarea fluorica , and others	Prescribe homoeopathic remedies for common CT disorders based on clinical presentation	C3	Must Know	Case-based learning, repertory exercises	Case-based prescription feedback	OSCE, Viva	Materia Medica, Organon
HomUG-PM III.15.09	Knowledge and Scholarship	Shows how	Lifestyle changes, physical therapy, and long-term management plans	Educate patients and families about disease management, emphasizing self-care	A4	Must Know	Role-playing, patient education workshops	Counselling session feedback	Viva, OSCE	Physiotherapy, Rehabilitation

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Ankylosing Spondylosis										
HomUG-PM III.16.01	Knowledge and Scholarship	Knows	Definition, overview, and epidemiology	Define Ankylosing Spondylitis and describe its prevalence	C2	Must Know	Lectures, group discussions	Short notes, quizzes	MCQs, Short Answer Questions	Orthopaedics, Rheumatology
HomUG-PM III.16.02		Knows	Pathophysiology: genetic predisposition (HLA-B27), immune dysregulation, inflammatory processes	Summarize the genetic and immunological mechanisms contributing to AS	C2	Must Know	Interactive lectures, video sessions	Pathophysiology quizzes	Diagram-based questions, Essays	Genetics, Immunology
HomUG-PM III.16.03		Knows how	Chronic back pain, stiffness, reduced spinal mobility, extra-articular manifestations	Identify key clinical features and differentiate AS from other inflammatory back pain syndromes	C3	Must Know	Case-based discussions, role-playing	Symptom analysis, group tasks	OSCE, Case-based questions	Internal Medicine, Orthopaedics
HomUG-PM III.16.04		Knows how	Diagnostic criteria: modified New York criteria, imaging (X-ray, MRI), lab tests (HLA-B27, ESR)	Diagnose AS using clinical, radiological, and laboratory findings	C3	Must Know	Practical demonstrations, discussions	Diagnostic reasoning tasks	OSCE, Objective Structured Exams	Radiology, Pathology
HomUG-PM III.16.05		Knows	Classification: axial (spinal involvement) vs peripheral (extremities)	Differentiate between axial and peripheral types of AS	C2	Must Know	Seminars, interactive discussions	Classification tasks, feedback	MCQs, Short notes	Rheumatology, Anatomy

HomUG-PM III.16.06		Knows how	Medical: NSAIDs, DMARDs, biologics (TNF-alpha inhibitors); physical therapy; surgical interventions	Develop a stepwise management plan for AS including pharmacological and non-pharmacological approaches	C3	Must Know	Case-based learning, clinical demonstrations	Treatment plan feedback, role-plays	OSCE, Viva, Case Studies	Pharmacology, Physiotherapy
HomUG-PM III.16.07		Knows how	Complications: spinal fusion, fractures, cardiovascular issues, uveitis	Identify complications and suggest preventive and corrective measures	C3	Must Know	Problem-based learning, group tasks	Complications analysis tasks	Case-based Discussions	Internal Medicine, Ophthalmology
HomUG-PM III.16.08		Shows how	Importance of exercise, posture correction, and ergonomic adjustments	Educate patients and caregivers about lifestyle modifications and long-term management of AS	A4	Must Know	Patient education workshops, role-plays	Counseling session feedback	Viva, OSCE	Physiotherapy, Rehabilitation
HomUG-PM III.16.09	Homoeopathic Orientation	Knows how	Homoeopathic remedies: Kali carb, Calcarea fluorica, Rhus tox, Bryonia alba	Prescribe homoeopathic remedies based on the symptomatology of Ankylosing Spondylitis	C3	Must Know	Repertory exercises, case simulations	Prescription feedback	OSCE, Viva	Materia Medica, Organon

Sl. No	Competency	Millers Level: Does/Shows how/Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable	T-L Methods	Assessment	Integration
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		how/ Knows				to know/ nice to know		Formative	Summative	
Systemic Lupus Erythematosus (SLE)										
HomUG- PM III.17.01	Knowledge and Scholarship	Knows	Definition, epidemiology, and overview	Define SLE and describe its epidemiology and prevalence	C2	Must Know	Lectures, group discussions	Short notes, quizzes	MCQs, SAQs	Rheumatology, Immunology
HomUG- PM III.17.02		Knows	Immune dysregulation, autoantibody production, complement activation	Explain the immunological mechanisms underlying SLE	C2	Must Know	Interactive lectures, problem-based learning	Diagram- based quizzes, discussions	Essays, Short notes	Immunology, Pathology
HomUG- PM III.17.03		Knows how	Multisystem involvement: skin (malar rash), joints, kidneys, CNS, cardiovascular system	Identify clinical features and differentiate SLE from other autoimmune diseases	C3	Must Know	Case-based discussions, role-playing	Symptom analysis, group tasks	OSCE, Case-based questions	Dermatology, Nephrology, Neurology
HomUG- PM III.17.04		Knows how	Diagnostic criteria: ACR/EULAR classification, ANA, anti-dsDNA, complement levels (C3, C4)	Diagnose SLE using clinical criteria and laboratory findings	C3	Must Know	Case studies, practical demonstrations	Diagnostic reasoning exercises	Objective Structured Exams (OSCE)	Clinical Medicine, Laboratory Medicine
HomUG- PM III.17.05		Knows	Types: discoid lupus, drug-induced lupus, neonatal lupus, systemic lupus	Differentiate between the types of lupus and their clinical presentations	C2	Must Know	Seminars, interactive discussions	Group exercises, classification tasks	MCQs, Short notes	Dermatology, Paediatrics
HomUG- PM III.17.06		Knows how	Medical: steroids, immunosuppressants, biologics; lifestyle modifications	Develop a stepwise management plan, including pharmacological and lifestyle approaches	C3	Must Know	Clinical demonstrations, case-based learning	Treatment plan feedback, role-plays	OSCE, Viva, Case Studies	Pharmacology, Physiotherapy

HomUG-PM III.17.07		Knows how	Renal (lupus nephritis), cardiovascular, neurological (seizures, psychosis), infections	Identify and address complications of SLE	C3	Must Know	Problem-based learning, group discussions	Complications analysis tasks	Case-based Discussions	Nephrology, Neurology, Cardiology
HomUG-PM III.17.08		Shows how	Adherence to treatment, avoiding triggers, managing flares, pregnancy considerations	Educate patients and caregivers about the chronic nature and management of SLE	A4	Must Know	Patient education workshops, role-plays	Counselling session feedback	Viva, OSCE	Internal Medicine, Obstetrics
HomUG-PM III.17.09	Homoeopathic Orientation	Knows how	Homoeopathic remedies: Arsenicum album, Phosphorus, Sulphur, Natrum muriaticum	Prescribe homoeopathic remedies based on individualized symptomatology of SLE	C3	Must Know	Repertory exercises, case simulations	Prescription analysis tasks	OSCE, Viva	Materia Medica, Organon

Sl. No	Competency	Millers Level: Does/Shows how/ Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Systemic Sclerosis (SSc)

HomUG-PM III.18.01	Knowledge and Scholarship	Knows	Definition, types (limited vs diffuse), epidemiology	Define SSc and classify into limited and diffuse types	C2	Must Know	Lectures, group discussions	Short notes, quizzes	MCQs, Short Answer Questions	Rheumatology, Immunology
HomUG-PM III.18.02		Knows	Autoimmunity, vascular injury, and fibrosis	Explain the immune mechanisms, vascular	C2	Must Know	Interactive lectures,	Diagram-based quizzes, discussions	Essays, Short notes	Immunology, Pathology

				dysfunction, and tissue fibrosis in SSc			problem-based learning			
HomUG-PM III.18.03		Knows how	Skin thickening, Raynaud's phenomenon, gastrointestinal, pulmonary, renal, and cardiac features	Identify clinical features and differentiate between limited and diffuse systemic sclerosis	C3	Must Know	Case-based discussions, role-playing	Symptom analysis, group tasks	OSCE, Case-based questions	Dermatology, Pulmonology, Nephrology
HomUG-PM III.18.04		Knows how	Diagnostic criteria, ANA, anti-Scl-70, anti-centromere antibodies, capillaroscopy	Diagnose SSc using clinical criteria and laboratory findings	C3	Must Know	Case studies, practical demonstrations	Diagnostic reasoning exercises	Objective Structured Exams (OSCE)	Clinical Medicine, Laboratory Medicine
HomUG-PM III.18.05		Knows how	Immunosuppressants, vasodilators, antifibrotic therapies, lifestyle modifications	Develop a stepwise management plan, including pharmacological and lifestyle approaches	C3	Must Know	Clinical demonstrations, case-based learning	Treatment plan feedback, role-plays	OSCE, Viva, Case Studies	Pharmacology, Physiotherapy
HomUG-PM III.18.06		Knows how	Pulmonary hypertension, interstitial lung disease, renal crisis, cardiac involvement	Identify and address complications of SSc	C3	Must Know	Problem-based learning, group discussions	Complications analysis tasks	Case-based Discussions	Pulmonology, Nephrology, Cardiology
HomUG-PM III.18.07		Shows how	Adherence to treatment, preventing complications, addressing quality of life	Educate patients and caregivers about the chronic nature and management of SSc	A4	Must Know	Patient education workshops, role-plays	Counselling session feedback	Viva, OSCE	Internal Medicine, Psychiatry
HomUG-PM III.18.08	Homoeopathic Orientation	Knows how	Homoeopathic remedies: Calcarea carbonica, Arsenicum album, Silicea, Phosphorus	Prescribe homoeopathic remedies based on individualized symptomatology of SSc	C3	Must Know	Repertory exercises, case simulations	Prescription analysis tasks	OSCE, Viva	Materia Medica, Organon

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Sjogren's Syndrome										
HomUG-PM III.19.01	Knowledge and Scholarship	Knows	Definition, primary vs secondary types, epidemiology	Define and differentiate between primary and secondary Sjogren's Syndrome	C2	Must Know	Lectures, group discussions	Short notes, quizzes	MCQs, Short Answer Questions	Rheumatology, Immunology
HomUG-PM III.19.02		Knows	Autoimmune destruction of exocrine glands, lymphocytic infiltration	Describe the role of autoimmunity in glandular and systemic manifestations	C2	Must Know	Interactive lectures, problem-based learning	Diagram-based quizzes, discussions	Essays, Short notes	Immunology, Pathology
HomUG-PM III.19.03		Knows how	Xerophthalmia, xerostomia, parotid gland enlargement, extra-glandular manifestations	Recognize symptoms and clinical features of glandular and extra-glandular involvement	C3	Must Know	Case-based discussions, role-playing	Symptom analysis, group tasks	OSCE, Case-based questions	Ophthalmology, Gastroenterology
HomUG-PM III.19.04		Knows how	Schirmer test, salivary gland biopsy, ANA, anti-SSA/Ro, anti-SSB/La antibodies	Use diagnostic criteria and investigations for Sjogren's Syndrome	C3	Must Know	Case studies, practical demonstrations	Diagnostic reasoning exercises	Objective Structured Exams (OSCE)	Laboratory Medicine, Ophthalmology
HomUG-PM III.19.05		Knows how	Artificial tears, sialogogues, immunosuppressants,	Formulate a management plan, including symptomatic relief and treatment of complications	C3	Must Know	Clinical demonstrations, case-based learning	Treatment plan feedback, role-plays	OSCE, Viva, Case Studies	Pharmacology, Rheumatology

			management of systemic features							
HomUG-PM III.19.06		Knows how	Dental caries, oral infections, lymphoma, systemic involvement	Identify and address complications of Sjogren's Syndrome	C3	Must Know	Problem-based learning, group discussions	Complications analysis tasks	Case-based Discussions	Dentistry, Oncology
HomUG-PM III.19.07		Shows how	Preventive oral care, eye protection, hydration, avoiding triggers	Educate patients on maintaining quality of life through lifestyle adaptations	A4	Must Know	Patient education workshops, role-plays	Counselling session feedback	Viva, OSCE	Internal Medicine, Psychiatry
HomUG-PM III.19.08	Homoeopathic orientation	Knows how	Homoeopathic remedies: Lycopodium, Natrum muriaticum, Pulsatilla, Sulphur	Prescribe individualized homoeopathic remedies based on symptoms of Sjogren's Syndrome	C3	Must Know	Repertory exercises, case simulations	Prescription analysis tasks	OSCE, Viva	Materia Medica, Organon

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Reiter's Syndrome (Reactive Arthritis)										
HomUG-PM III.20.01	Knowledge and Scholarship	Knows	Definition, aetiology, and epidemiology	Define and explain the aetiology of Reiter's Syndrome	C2	Must Know	Lectures, group discussions	Short notes, quizzes	MCQs, Short Answer Questions	Rheumatology, Infectious Diseases

HomUG-PM III.20.02		Knows	Post-infectious autoimmune reaction, role of HLA-B27	Describe the immune mechanisms and genetic predisposition underlying Reiter's Syndrome	C2	Must Know	Interactive lectures, problem-based learning	Diagram-based quizzes, discussions	Essays, Short notes	Immunology, Microbiology
HomUG-PM III.20.03		Knows how	Classic triad: arthritis, urethritis, conjunctivitis; extra-articular manifestations	Recognize the hallmark triad and other systemic features of the disease	C3	Must Know	Case-based discussions, role-playing	Symptom analysis, group tasks	OSCE, Case-based questions	Ophthalmology, Urology
HomUG-PM III.20.04		Knows how	History, clinical features, lab tests: ESR, CRP, HLA-B27, infectious triggers (e.g., Chlamydia)	Use diagnostic criteria and interpret test results for accurate diagnosis	C3	Must Know	Case studies, practical demonstrations	Diagnostic reasoning exercises	Objective Structured Exams (OSCE)	Laboratory Medicine, Rheumatology
HomUG-PM III.20.05		Knows how	NSAIDs, antibiotics for infection, DMARDs, physical therapy	Formulate a management plan for joint and systemic manifestations	C3	Must Know	Clinical demonstrations, case-based learning	Treatment plan feedback, role-plays	OSCE, Viva, Case Studies	Pharmacology, Orthopaedics
HomUG-PM III.20.06		Knows how	Chronic arthritis, ankylosing spondylitis, uveitis	Identify and address long-term complications of the disease	C3	Must Know	Problem-based learning, group discussions	Complications analysis tasks	Case-based Discussions	Ophthalmology, Rheumatology
HomUG-PM III.20.07		Shows how	Joint protection, physical activity, treatment adherence	Educate patients on maintaining mobility and preventing complications	A4	Must Know	Patient education workshops, role-plays	Counselling session feedback	Viva, OSCE	Internal Medicine, Psychiatry
HomUG-PM III.20.08	Homoeopathic orientation	Knows how	Remedies: Rhus toxicodendron , Bryonia , Sulphur , Arsenicum album	Prescribe homoeopathic remedies based on individualized symptomatology	C3	Must Know	Repertory exercises, case simulations	Prescription analysis tasks	OSCE, Viva	Materia Medica, Organon

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Psoriatic arthritis (PsA)										
HomUG-PM III.21.01	Knowledge and Scholarship	Knows	Definition, epidemiology, and association with psoriasis	Define PsA and describe its prevalence and link with psoriasis	C2	Must Know	Lectures, interactive discussions	Short notes, quizzes	MCQs, Short Answer Questions	Dermatology, Rheumatology
HomUG-PM III.21.02		Knows	Immune dysregulation, genetic predisposition (HLA-B27), environmental triggers	Explain the role of immune system dysregulation and genetic factors in PsA	C2	Must Know	Problem-based learning, diagrams	Diagram labeling, group discussions	Essays, Case-based questions	Immunology, Genetics
HomUG-PM III.21.03		Knows how	Asymmetric arthritis, dactylitis, enthesitis, nail changes, and extra-articular manifestations	Recognize the various clinical presentations of PsA and differentiate it from other arthritides	C3	Must Know	Case-based discussions, role-playing	Symptom analysis, group tasks	OSCE, Case-based questions	Dermatology, Rheumatology
HomUG-PM III.21.04		Knows how	CASPAR criteria, clinical history, imaging studies (X-rays, MRI), lab tests (CRP, ESR)	Apply diagnostic criteria and utilize lab and imaging findings to confirm diagnosis	C3	Must Know	Clinical demonstrations, diagnostic reasoning	Diagnostic case presentations	OSCE, Viva exams	Laboratory Medicine, Rheumatology
HomUG-PM III.21.05		Knows how	NSAIDs, DMARDs, biologics (TNF inhibitors), physical therapy	Formulate a management plan tailored to the severity and symptoms of PsA	C3	Must Know	Case studies, practical demonstrations	Treatment planning feedback	OSCE, Structured Case Discussions	Pharmacology, Orthopaedics

HomUG-PM III.21.06		Knows how	Joint destruction, functional disability, cardiovascular risks	Identify complications and provide early intervention strategies	C3	Must Know	Group discussions, complication analysis	Problem-solving exercises	Case-based Essays	Internal Medicine, Rheumatology
HomUG-PM III.21.07		Shows how	Importance of physical activity, weight management, and adherence to treatment	Educate patients on self-care, joint protection, and lifestyle adjustments	A4	Must Know	Counselling workshops, patient simulations	Counselling session feedback	OSCE, Viva	Psychiatry, Internal Medicine
HomUG-PM III.21.08	Homoeopathic Orientation	Knows how	Remedies: Arsenicum album, Rhus toxicodendron, Bryonia, Sulphur, Calcarea fluorica	Prescribe homoeopathic remedies based on individual presentation and symptoms	C3	Must Know	Repertory work, case-based learning	Case simulations, prescription analysis	OSCE, Viva exams	Materia Medica, Organon

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Vasculitis										
HomUG-PM III.22.01	Knowledge and Scholarship	Knows	Definition, classification, and types (large, medium,	Define vasculitis and classify its types	C2	Must Know	Lectures, group discussions	Short notes, quizzes	MCQs, Short	Rheumatology, Immunology

			small vessel vasculitis)						Answer Questions	
HomUG-PM III.22.02		Knows	Immune-mediated inflammation, deposition of immune complexes, cytokines, vascular damage	Describe the mechanisms of vascular inflammation and damage	C2	Must Know	Problem-based learning, flowcharts	Diagram labelling, discussions	Case-based questions	Pathology, Immunology
HomUG-PM III.22.03		Knows how	General symptoms (fever, fatigue, weight loss), organ-specific involvement (skin, kidney, lungs)	Recognize systemic and localized manifestations of vasculitis	C3	Must Know	Case-based learning, simulations	Case presentations, quizzes	OSCE, Structured Questions	Internal Medicine, Rheumatology
HomUG-PM III.22.04		Knows how	History taking, clinical examination, lab tests (ANCA, ESR, CRP), imaging studies, biopsy	Utilize clinical findings and investigations to diagnose vasculitis	C3	Must Know	Clinical demonstrations, diagnostic exercises	Diagnostic tasks, feedback	OSCE, Case-based assessment	Pathology, Laboratory Medicine
HomUG-PM III.22.05		Knows how	Immunosuppressive drugs (steroids, cyclophosphamide, biologics), symptomatic and supportive therapy	Develop a treatment plan based on the type and severity of vasculitis	C3	Must Know	Role-playing, practical sessions	Treatment planning exercises	OSCE, Clinical Problem Solving	Pharmacology, Rheumatology
HomUG-PM III.22.06		Knows how	Organ damage (renal failure, lung fibrosis), aneurysms, infections due to immunosuppression	Identify and address complications early to improve prognosis	C3	Must Know	Group discussions, interactive workshops	Complication analysis tasks	Essays, Viva exams	Internal Medicine, Nephrology
HomUG-PM III.22.07	Homoeopathic orientation	Knows how	Remedies: Pulsatilla , Arsenicum album ,	Prescribe remedies based on individualized	C3	Must Know	Repertory work, case-based learning	Prescription analysis,	OSCE, Structured Viva	Materia Medica, Organon

			Sulphur, Calcarea carb, Apis mellifica	symptomatology and constitution				repertory tasks		
HomUG-PM III.22.08	Knowledge and Scholarship	Shows how	Importance of treatment adherence, nutrition, stress management, and infection prevention	Educate patients and families about self-care and lifestyle adjustments	Affective	Must Know	Counselling sessions, patient education	Counselling feedback	OSCE, Role-playing	Psychiatry, Public Health

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Rheumatoid Arthritis (RA)										
1HomUG-PM III.23.01	Knowledge and Scholarship	Knows	Definition, epidemiology, risk factors	Define RA and recognize its epidemiological characteristics	C2	Must Know	Lectures, discussions	Short notes, quizzes	MCQs, Short Answer Questions	Rheumatology, Public Health
1HomUG-PM III.23.02		Knows how	Autoimmune processes: T-cell activation, cytokines, synovial inflammation, joint damage	Explain the autoimmune mechanisms leading to joint inflammation and systemic involvement	C3	Must Know	Problem-based learning, flowcharts	Concept mapping, discussions	MCQs, Essays	Pathology, Immunology
1HomUG-PM III.23.03		Knows how	Symptoms (joint pain, stiffness, swelling, deformity), systemic involvement	Identify cardinal symptoms and systemic manifestations of RA	C3	Must Know	Case-based learning, videos	Clinical feature identification tasks	Case-based Questions	Internal Medicine, Rheumatology

1HomUG-PM III.23.04		Knows how	Clinical criteria, lab tests (RF, anti-CCP, ESR, CRP), imaging (X-ray, ultrasound, MRI)	Apply diagnostic criteria and investigations to confirm RA	C3	Must Know	Diagnostic exercises, case presentations	Diagnostic reasoning	OSCE, Case-based assessment	Pathology, Laboratory Medicine
1HomUG-PM III.23.05		Knows how	DMARDs, biologics, corticosteroids, NSAIDs, physiotherapy, and lifestyle modifications	Develop a comprehensive treatment plan for RA	C3	Must Know	Role-playing, practical sessions	Treatment planning exercises	OSCE, Clinical Problem Solving	Pharmacology, Rehabilitation
1HomUG-PM III.23.06		Knows how	Joint deformities (swan-neck, boutonnière), systemic complications (vasculitis, amyloidosis)	Identify potential complications and implement prevention strategies	C3	Must Know	Group discussions, case studies	Complication analysis tasks	Essays, Viva exams	Internal Medicine, Rheumatology
1HomUG-PM III.23.07	Homoeopathic orientation	Knows how	Remedies: Bryonia, Rhus tox, Causticum, Kali bichromicum, Apis mellifica	Prescribe homoeopathic remedies based on symptomatology and constitution	C3	Must Know	Repertory work, case-based learning	Remedy selection exercises	OSCE, Structured Viva	Materia Medica, Organon
1HomUG-PM III.23.08	Knowledge and Scholarship	Shows how	Importance of regular medication, exercise, joint care, stress management	Educate patients about self-management and treatment adherence	A4	Must Know	Counselling sessions, patient education	Counselling feedback	OSCE, Role-playing	Psychiatry, Public Health

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Osteoarthritis (OA)										
HomUG-PM III.24.01	Knowledge and Scholarship	Knows	Definition, epidemiology, and risk factors	Define OA and recognize its epidemiological characteristics	C2	Must Know	Lectures, discussions	Short notes, quizzes	MCQs, Short Answer Questions	Rheumatology, Public Health
HomUG-PM III.24.02		Knows how	Degeneration of articular cartilage, subchondral bone changes, osteophyte formation	Explain the mechanical and biochemical processes leading to joint degeneration	C3	Must Know	Problem-based learning, flowcharts	Concept mapping, discussions	MCQs, Essays	Pathology, Biochemistry
HomUG-PM III.24.03		Knows how	Pain, stiffness, crepitus, limited range of motion, joint deformities	Identify key clinical features of OA	C3	Must Know	Case-based learning, videos	Clinical feature identification tasks	Case-based Questions	Internal Medicine, Rheumatology
HomUG-PM III.24.04		Knows how	Clinical criteria, imaging (X-ray findings: joint space narrowing, osteophytes, sclerosis)	Apply diagnostic criteria and radiological findings to confirm OA	C3	Must Know	Diagnostic exercises, case presentations	Diagnostic reasoning	OSCE, Case-based assessment	Radiology, Pathology
HomUG-PM III.24.05		Knows how	NSAIDs, acetaminophen, intra-articular steroids, physiotherapy, lifestyle changes	Develop a multimodal treatment plan for OA	C3	Must Know	Role-playing, practical sessions	Treatment planning exercises	OSCE, Clinical Problem Solving	Pharmacology, Rehabilitation

HomUG-PM III.24.06		Knows how	Joint deformities, reduced mobility, chronic pain, psychosocial impact	Identify potential complications and their management	C3	Desirable to Know	Group discussions, case studies	Complication analysis tasks	Essays, Viva exams	Internal Medicine, Public Health
HomUG-PM III.24.07	Homoeopathic orientation	Knows how	Remedies: Ruta, Calcarea fluorica, Bryonia, Rhus tox, Silicea	Prescribe homoeopathic remedies based on symptomatology and constitution	C3	Must Know	Repertory work, case-based learning	Remedy selection exercises	OSCE, Structured Viva	Materia Medica, Organon
HomUG-PM III.24.08	Knowledge and Scholarship	Shows how	Weight management, exercise, ergonomic adjustments, joint protection	Educate patients about lifestyle changes to slow OA progression	A4	Must Know	Counselling sessions, patient education	Counselling feedback	OSCE, Role-playing	Psychiatry, Public Health

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Neurogenic Arthropathy (Charcot Joint)

HomUG-PM III.25.01	Knowledge and Scholarship	Knows	Definition, etiopathogenesis, and predisposing conditions	Define neurogenic arthropathy and describe its underlying causes	C2	Must Know	Lectures, interactive discussions	Short notes, quizzes	MCQs, Short Answer Questions	Orthopaedics, Neurology
HomUG-PM III.25.02		Knows how	Neuropathy-induced joint damage, loss of proprioception, repetitive trauma	Explain how loss of sensation leads to progressive joint destruction	C3	Must Know	Problem-based learning, visual aids	Flowcharts, discussions	MCQs, Essays	Pathology, Neurology

HomUG-PM III.25.03		Knows how	Swelling, deformity, crepitus, instability, painless destruction	Identify key clinical signs and symptoms	C3	Must Know	Case-based learning, videos	Clinical feature identification tasks	Case-based Questions	Internal Medicine, Orthopaedics
HomUG-PM III.25.04		Knows how	Clinical criteria, imaging (X-rays: joint destruction, fragmentation, subluxation, deformity)	Apply diagnostic criteria and interpret radiological findings	C3	Must Know	Diagnostic exercises, case presentations	Diagnostic reasoning	OSCE, Case-based assessment	Radiology, Neurology
HomUG-PM III.25.05		Knows how	Immobilization, infection control, surgical options, patient education	Develop a multidisciplinary treatment plan	C3	Must Know	Role-playing, practical sessions	Treatment planning exercises	OSCE, Clinical Problem Solving	Orthopaedics, Rehabilitation
HomUG-PM III.25.06		Knows how	Secondary infection, joint deformity, disability	Identify potential complications and their management	C3	Desirable to Know	Group discussions, case studies	Complication analysis tasks	Essays, Viva exams	Internal Medicine, Pathology
HomUG-PM III.25.07	Homoeopathic orientation	Knows how	Remedies: Hypericum, Arnica, Symphytum, Calcarea fluorica, Silicea	Prescribe homoeopathic remedies based on symptomatology and constitution	C3	Must Know	Repertory work, case-based learning	Remedy selection exercises	OSCE, Structured Viva	Materia Medica, Organon
HomUG-PM III.25.08	Knowledge and Scholarship	Shows how	Importance of neuropathy control, footwear, and early recognition of joint changes	Educate patients on prevention strategies and prognosis	A4	Must Know	Counselling sessions, patient education	Counselling feedback	OSCE, Role-playing	Neurology, Public Health

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Gout and Pseudo Gout										
HomUG-PM III.26.01	Knowledge and Scholarship	Knows	Definition, pathophysiology, types, and distinction between gout and pseudogout	Define gout and pseudogout and explain their underlying mechanisms	C2	Must Know	Lectures, interactive discussions	Short notes, quizzes	MCQs, Short Answer Questions	Rheumatology, Pathology
HomUG-PM III.26.02		Knows	Hyperuricemia, urate crystal deposition, CPPD crystal deposition, and associated conditions	Identify predisposing factors and associated systemic conditions	C2	Must Know	Problem-based learning, group discussions	Case identification tasks	MCQs, Short Answer Questions	Internal Medicine, Pathology
HomUG-PM III.26.03		Knows how	Acute gout: red, hot, swollen joint; Pseudogout: knee and wrist involvement	Recognize and differentiate clinical presentations of gout and pseudogout	C3	Must Know	Clinical case discussions, videos	Symptom recognition	Case-based Questions	Orthopaedics, Rheumatology
HomUG-PM III.26.04		Knows how	Synovial fluid analysis (urate crystals vs CPPD crystals), imaging (X-rays, ultrasound)	Apply diagnostic criteria and interpret investigation findings	C3	Must Know	Diagnostic exercises, case-based learning	Diagnostic reasoning tasks	OSCE, Case-based assessment	Laboratory Medicine, Radiology
HomUG-PM III.26.05		Knows how	Acute management, chronic therapy (urate-lowering	Develop a management plan for acute and chronic conditions	C3	Must Know	Case simulations, role-playing	Treatment planning	OSCE, Clinical Problem Solving	Pharmacology, Dietetics, Rheumatology

			drugs), dietary and lifestyle advice							
HomUG-PM III.26.06		Knows how	Remedies: Colchicum, Benzoic acid, Ledum, Calcarea fluorica, Lycopodium	Prescribe individualized homoeopathic remedies for gout based on symptomatology	C3	Must Know	Case-based learning, repertory exercises	Remedy selection exercises	OSCE, Structured Viva	Materia Medica, Organon
HomUG-PM III.26.07	Homoeopathic orientation	Knows how	Gout: tophi, kidney stones, nephropathy; Pseudogout: chronic joint damage	Identify complications and preventive measures	C3	Must Know	Group discussions, clinical scenarios	Complication analysis tasks	Essays, Viva exams	Rheumatology, Nephrology
HomUG-PM III.26.08	Knowledge and Scholarship	Shows how	Lifestyle modification, diet control (low-purine diet), medication adherence	Educate patients on preventive strategies and prognosis	A4	Must Know	Counselling sessions, patient education	Counselling feedback	OSCE, Role-playing	Public Health, Internal Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Osteoporosis & Osteomalacia										
HomUG-PM III.27.01	Knowledge and Scholarship	Knows	Definition, distinction, and overview of each condition	Define osteoporosis and osteomalacia and distinguish between the two	C2	Must Know	Lectures, interactive discussions	Short notes, quizzes	MCQs, Short Answer Questions	Orthopaedics, Pathology

HomUG-PM III.27.02		Knows how	Bone remodelling imbalance (Osteoporosis), defective mineralization (Osteomalacia)	Explain the underlying mechanisms of bone density loss and defective mineralization	C3	Must Know	Problem-based learning, case studies	Concept application tasks	MCQs, Short Answer Questions	Internal Medicine, Biochemistry
HomUG-PM III.27.03		Knows how	Risk factors: age, gender, genetics, diet, medication use, vitamin D deficiency	Recognize risk factors and categorize causes for osteoporosis and osteomalacia	C3	Must Know	Clinical scenarios, small group discussions	Risk factor analysis exercises	Essays, Viva	Public Health, Endocrinology
HomUG-PM III.27.04		Knows how	Features of fragility fractures (Osteoporosis), bone pain and weakness (Osteomalacia)	Identify symptoms and differentiate based on clinical presentations	C3	Must Know	Case-based learning, role-playing	Symptom identification	Case-based Questions	Rheumatology, Orthopaedics
HomUG-PM III.27.05		Knows how	DXA scan, biochemical markers, X-rays, vitamin D levels	Use diagnostic tests and interpret findings for both conditions	C3	Must Know	Diagnostic exercises, case studies	Diagnostic reasoning tasks	OSCE, Case-based assessment	Radiology, Laboratory Medicine
HomUG-PM III.27.06		Knows how	Lifestyle modification, pharmacological therapies, supplements	Develop prevention and management strategies tailored to individual cases	C3	Must Know	Counselling sessions, group learning	Plan evaluation tasks	OSCE, Clinical Problem Solving	Pharmacology, Dietetics, Rehabilitation
HomUG-PM III.27.07	Homoeopathic orientation	Knows how	Remedies: Calcarea phosphorica , Silicea , Symphytum , Ruta graveolens	Prescribe remedies based on symptomatology and holistic assessment	C3	Must Know	Materia medica discussions, repertory work	Homeopathic case exercises	OSCE, Structured Viva	Materia Medica, Organon
HomUG-PM III.27.08	Knowledge and Scholarship	Knows how	Osteoporosis: fractures, deformity; Osteomalacia:	Identify complications and preventive strategies	C3	Must Know	Clinical discussions,	Complication identification tasks	Essays, Case-based analysis	Orthopaedics, Rehabilitation

			severe bone pain, deformity				patient scenarios			
HomUG-PM III.27.09		Shows how	Calcium-rich diet, weight-bearing exercises, sun exposure	Educate patients on preventive strategies and lifestyle modifications	A4	Must Know	Counselling role-play, patient education	Counselling session evaluation	OSCE, Role-playing	Public Health, Dietetics

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Cervical and Lumbar Spondylosis										
HomUG-PM III.28.01	Knowledge and Scholarship	Knows	Degenerative changes affecting the cervical and lumbar spine	Define cervical and lumbar spondylosis and describe their clinical relevance	C2	Must Know	Lectures, group discussions	Short notes, quizzes	MCQs, Short Answer Questions	Orthopaedics, Rheumatology
HomUG-PM III.28.02		Knows how	Disc degeneration, osteophyte formation, nerve compression	Explain the underlying mechanisms causing degeneration and symptoms	C3	Must Know	Interactive sessions, problem-based learning	Concept application tasks	MCQs, Diagram-based Questions	Pathology, Neurology
HomUG-PM III.28.03		Knows how	Aging, repetitive stress, poor posture, obesity	Recognize risk factors and preventive strategies for spondylosis	C3	Must Know	Case-based discussions	Risk factor identification	Essays, Case-based Questions	Public Health, Preventive Medicine

HomUG-PM III.28.04		Knows how	Cervical: neck pain, radiculopathy; Lumbar: low back pain, sciatica	Identify and differentiate clinical features of cervical and lumbar spondylosis	C3	Must Know	Clinical scenarios, role-playing	Symptom identification	OSCE, Case-based assessment	Neurology, Orthopaedics
HomUG-PM III.28.05		Knows how	Imaging: X-ray, MRI; clinical tests: Spurling's test, straight-leg raise test	Interpret imaging and perform clinical examinations	C3	Must Know	Diagnostic exercises, imaging sessions	Diagnostic reasoning tasks	OSCE, Clinical Skills Assessment	Radiology, Orthopaedics
HomUG-PM III.28.06		Knows how	Lifestyle modification, physical therapy, pain management	Develop prevention and management strategies based on individual presentations	C3	Must Know	Interactive sessions, practical training	Plan development	OSCE, Problem Solving	Rehabilitation, Pharmacology
HomUG-PM III.28.07	Homoeopathic orientation	Knows how	Remedies: Bryonia, Rhus tox, Hypericum, Ruta graveolens	Prescribe remedies based on symptomatology and totality	C3	Must Know	Materia medica discussions, repertory work	Remedy selection tasks	OSCE, Structured Viva	Materia Medica, Organon
HomUG-PM III.28.08	Knowledge and Scholarship	Knows how	Cervical: myelopathy; Lumbar: cauda equina syndrome	Identify complications and strategies to prevent or manage them	C3	Must Know	Clinical case discussions	Complication analysis tasks	Case-based assessments	Neurology, Rehabilitation
HomUG-PM III.28.09		Shows how	Ergonomic advice, exercise, posture correction	Educate patients about ergonomic practices and preventive measures	A4	Must Know	Counselling sessions, role-play	Counselling skills evaluation	OSCE, Role-playing	Public Health, Physiotherapy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Low Backache										
HomUG-PM III.29.01	Knowledge and Scholarship	Knows	Pain localized in the lumbar region, with or without radiation	Define low backache and describe its clinical relevance	C2	Must Know	Lectures, group discussions	Short notes, quizzes	MCQs, Short Answer Questions	Orthopaedics, Neurology
HomUG-PM III.29.02		Knows how	Mechanical causes, degenerative changes, infections, malignancy	Explain causes like spondylosis, herniated discs, infections, and tumors	C3	Must Know	Interactive sessions, problem-based learning	Concept application tasks	MCQs, Diagram-based Questions	Pathology, Neurology
HomUG-PM III.29.03		Knows how	Poor posture, obesity, lack of exercise, trauma, occupational hazards	Recognize risk factors and strategies for prevention	C3	Must Know	Case-based discussions	Risk factor identification	Essays, Case-based Questions	Public Health, Preventive Medicine
HomUG-PM III.29.04		Knows how	Acute vs. chronic pain, radiculopathy, functional limitations	Differentiate clinical features of mechanical vs. pathological back pain	C3	Must Know	Clinical scenarios, role-playing	Symptom identification	OSCE, Case-based assessment	Neurology, Orthopaedics
HomUG-PM III.29.05		Knows how	History, physical examination, imaging: X-ray, MRI, CT	Perform diagnostic evaluations and interpret findings	C3	Must Know	Diagnostic exercises, imaging sessions	Diagnostic reasoning tasks	OSCE, Clinical Skills Assessment	Radiology, Orthopaedics
HomUG-PM III.29.06		Knows how	Conservative management, pharmacological treatment, surgical interventions	Plan treatment based on severity, cause, and patient needs	C3	Must Know	Practical training, interactive sessions	Treatment planning tasks	OSCE, Problem Solving	Rehabilitation, Pharmacology
HomUG-PM III.29.07	Homoeopathic orientation	Knows how	Remedies: Bryonia, Rhus tox, Hypericum, Ruta graveolens	Select and prescribe remedies based on individual presentations	C3	Must Know	Materia medica discussions, repertory work	Remedy selection tasks	OSCE, Structured Viva	Materia Medica, Organon

HomUG-PM III.29.08	Knowledge and Scholarship	Knows how	Chronicity, functional limitations, dependency	Identify complications and prevention strategies	C3	Desirable to know	Clinical case discussions	Complication analysis tasks	Case-based assessments	Neurology, Rehabilitation
HomUG-PM III.29.09		Shows how	Ergonomics, exercise, weight management, posture correction	Educate patients on prevention and lifestyle adaptations	A4	Must Know	Counselling sessions, role-playing	Counselling skills evaluation	OSCE, Role-playing	Public Health, Physiotherapy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Fibromyalgia										
HomUG-PM III.30.01	Knowledge and Scholarship	Knows	A chronic condition characterized by widespread musculoskeletal pain, fatigue, and sleep disturbances	Define fibromyalgia and explain its significance	C2	Must Know	Lecture, interactive discussions	Short notes, quizzes	MCQs, Short Answer Questions	Rheumatology, Neurology
HomUG-PM III.30.02		Knows how	Central sensitization, neurochemical imbalances, genetic predisposition	Explain the pathogenesis of fibromyalgia, focusing on central nervous system dysfunction	C3	Must Know	Case-based learning, problem-solving	Concept application tasks	MCQs, Diagram-based Questions	Pathology, Neurology
HomUG-PM III.30.03		Knows how	Chronic pain, fatigue, cognitive dysfunction ("fibro fog"), sleep issues	Identify key symptoms and differentiate from other chronic pain syndromes	C3	Must Know	Symptom-based discussions	Symptom identification	OSCE, Case-based assessment	Rheumatology, Psychiatry

HomUG-PM III.30.04		Knows how	ACR diagnostic criteria: widespread pain index (WPI), symptom severity (SS) scale	Perform diagnostic evaluations and utilize clinical criteria	C3	Must Know	Practical demonstrations, diagnostic sessions	Diagnostic reasoning tasks	OSCE, Clinical Skills Assessment	Neurology, Psychiatry
HomUG-PM III.30.05		Knows how	Non-pharmacologic: exercise, CBT; pharmacologic: antidepressants, anticonvulsants	Plan individualized treatment addressing both physical and psychological symptoms	C3	Must Know	Interactive sessions, role-playing	Treatment planning tasks	OSCE, Problem Solving	Rehabilitation, Pharmacology
HomUG-PM III.30.06	Homoeopathic orientation	Knows how	Remedies: Rhus tox, Arnica, Bryonia, Kali carb, Phosphorus	Select and prescribe remedies based on holistic presentation	C3	Must Know	Materia medica discussions, repertory work	Remedy selection tasks	OSCE, Structured Viva	Materia Medica, Organon
HomUG-PM III.30.07	Knowledge and Scholarship	Knows how	Chronicity, disability, psychological impact	Recognize complications and implement preventive strategies	C3	Desirable to know	Clinical discussions	Complication analysis tasks	Case-based assessments	Psychiatry, Rehabilitation
HomUG-PM III.30.08		Shows how	Stress management, sleep hygiene, physical activity, support groups	Educate patients on self-management and coping strategies	A4	Must Know	Counselling sessions, group activities	Counselling skills evaluation	OSCE, Role-playing	Public Health, Psychiatry

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Inflammatory Muscle Diseases										

HomUG-PM III.31.01	Knowledge and Scholarship	Knows	Group of diseases characterized by muscle inflammation, such as polymyositis and dermatomyositis	Define inflammatory muscle diseases and explain their clinical significance	C2	Must Know	Lecture, interactive discussions	Short notes, quizzes	MCQs, Short Answer Questions	Rheumatology, Neurology
HomUG-PM III.31.02		Knows how	Autoimmune processes, muscle fibre degeneration, ischemia, and inflammatory cell infiltration	Explain the pathophysiology of inflammatory muscle diseases	C3	Must Know	Case-based learning, problem-solving	Concept application tasks	MCQs, Diagram-based Questions	Pathology, Immunology
HomUG-PM III.31.03		Knows how	Progressive muscle weakness, pain, skin changes (in dermatomyositis), systemic involvement	Identify symptoms of polymyositis, dermatomyositis, and inclusion body myositis	C3	Must Know	Symptom-based discussions	Symptom identification	OSCE, Case-based assessment	Neurology, Dermatology
HomUG-PM III.31.04		Knows how	Clinical examination, laboratory tests (e.g., CK levels), muscle biopsy, MRI	Perform diagnostic evaluations and differentiate between different types of myopathies	C3	Must Know	Practical demonstrations, diagnostic sessions	Diagnostic reasoning tasks	OSCE, Clinical Skills Assessment	Neurology, Rheumatology
HomUG-PM III.31.05		Knows how	Elevated creatine kinase (CK), electromyography (EMG), muscle biopsy findings, MRI findings	Identify relevant lab findings and imaging techniques for diagnosing myopathies	C3	Must Know	Laboratory workshops, case study analysis	Lab report analysis tasks	OSCE, MCQs	Pathology, Radiology
HomUG-PM III.31.06		Knows how	Corticosteroids, immunosuppressive agents, IVIG, physiotherapy, and rehabilitation	Plan individualized treatment addressing both inflammation and muscle rehabilitation	C3	Must Know	Interactive sessions, case-based discussions	Treatment planning tasks	OSCE, Problem Solving	Pharmacology, Rehabilitation

HomUG-PM III.31.07	Homoeopathic orientation	Knows how	Remedies: Rhus tox, Arnica, Calc phos, Kali carb, Sulphur	Select homoeopathic remedies based on symptomology and individualized patient needs	C3	Must Know	Materia medica discussions, repertory work	Remedy selection tasks	OSCE, Structured Viva	Homeopathy, Organon
HomUG-PM III.31.08	Knowledge and Scholarship	Knows how	Muscle atrophy, respiratory failure, dysphagia, and cardiac involvement	Identify and manage complications in inflammatory muscle diseases	C3	Desirable to know	Clinical case analysis, complications discussions	Case-based analysis tasks	OSCE, MCQs	Neurology, Respiratory Medicine
HomUG-PM III.31.09		Shows how	Physical therapy, diet adjustments, stress management, and coping strategies	Educate patients on the importance of lifestyle changes for managing the disease	A4	Desirable to know	Counselling sessions, group activities	Counselling skills evaluation	Role-playing, OSCE	Public Health, Rehabilitation

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Infectious arthritis										
HomUG-PM III.32.01	Knowledge and Scholarship	Knows	Arthritis caused by infection (bacterial, viral, fungal, or parasitic) affecting one or more joints.	Define infectious arthritis and describe its types and clinical features.	C2	Must Know	Lecture, group discussion	Short answer questions, quizzes	MCQs, Short Answer Questions	Rheumatology, Infectious Diseases
HomUG-PM III.32.02		Knows how	Infection leads to inflammation in joints, with immune response and	Explain the immune response to infections causing joint inflammation.	C3	Must Know	Case-based learning, problem-solving	Case study discussions, concept maps	MCQs, OSCE, Diagram-	Pathology, Immunology, Microbiology

			destruction of cartilage.						based Questions	
HomUG-PM III.32.03		Knows how	Redness, swelling, warmth, pain, fever, joint deformity, and limited movement in the affected joint.	Recognize and describe the signs and symptoms of infectious arthritis.	C3	Must Know	Symptom-based discussions, case analysis	Symptom identification, clinical examination	OSCE, Clinical Skills Assessment	Infectious Diseases, Rheumatology
HomUG-PM III.32.04		Knows how	Joint aspiration, cultures, imaging, CBC, ESR, CRP, and synovial fluid analysis.	Perform diagnostic procedures to identify infectious arthritis.	C3	Must Know	Practical workshops, diagnostic sessions	Diagnostic reasoning tasks, lab analysis	OSCE, Diagnostic assessment, MCQs	Microbiology, Pathology, Radiology
HomUG-PM III.32.05		Knows how	Use of clinical features and diagnostic tests to differentiate from rheumatoid arthritis, gout, etc.	Compare and contrast infectious arthritis with other inflammatory joint disorders.	C3	Must Know	Group discussion, case comparison	Differential diagnosis exercises	OSCE, MCQs, Case studies	Rheumatology, Immunology
HomUG-PM III.32.06		Knows how	Antibiotics (for bacterial infections), antifungals, antiviral medications, joint drainage, surgery in severe cases.	Develop a treatment plan addressing both infection and joint health.	C3	Must Know	Case study discussions, treatment planning	Treatment planning, clinical decisions	OSCE, Problem Solving	Pharmacology, Microbiology, Rehabilitation
HomUG-PM III.32.07		Knows how	Sepsis, joint destruction, chronic arthritis, systemic infection, and death.	Identify complications associated with untreated or poorly managed infectious arthritis.	C3	Desirable to know	Case-based learning, complication analysis	Case analysis, complication management	OSCE, MCQs, Case-based assessments	Infectious Diseases, Surgery
HomUG-PM III.32.08		Knows how	Prophylactic measures, vaccination, timely treatment of	Implement preventive strategies to reduce the risk of infectious arthritis.	C3	Desirable to know	Interactive sessions, public health discussions	Preventive measures identification	Short Answer Questions, MCQs	Public Health, Microbiology, Rehabilitation

			infections, and hygiene practices.							
HomUG-PM III.32.09	Homoeopathic orientation	Knows how	Homeopathic remedies such as Rhus tox, Arnica, Bryonia, Ledum for inflammation, joint pain, and swelling.	Select appropriate homoeopathic remedies based on symptomology for managing infectious arthritis.	C3	Desirable to know	Homeopathic Materia Medica sessions, case discussions	Remedy selection and analysis tasks	OSCE, Structured Viva	Homeopathy, Rheumatology

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Soft tissue rheumatism

HomUG-PM III.33.01	Knowledge and Scholarship	Knows	Disorders affecting muscles, tendons, ligaments, and fascia causing pain, inflammation, and dysfunction.	Define soft tissue rheumatism and describe its types and clinical features.	C2	Must Know	Lecture, group discussion	Short answer questions, quizzes	MCQs, Short Answer Questions	Rheumatology, Musculoskeletal Medicine
HomUG-PM III.33.02		Knows how	Inflammatory processes affecting the soft tissues of the musculoskeletal system.	Describe the inflammatory processes involved in soft tissue rheumatism.	C3	Must Know	Case-based learning, problem-solving	Case study discussions, concept maps	MCQs, OSCE, Diagram-based Questions	Pathology, Immunology, Musculoskeletal Science
HomUG-PM III.33.03		Knows how	Conditions such as tendinitis, bursitis,	Recognize and classify the common conditions under soft tissue rheumatism.	C3	Must Know	Symptom-based	Case identification,	OSCE, MCQs,	Musculoskeletal Medicine, Rheumatology

			myositis, and fibromyalgia.				discussions, case analysis	differential diagnosis	Case studies	
HomUG-PM III.33.04	Knows how	Clinical examination, imaging (X-ray, ultrasound), and laboratory tests.	Perform diagnostic assessments for conditions under soft tissue rheumatism.	C3	Must Know	Practical workshops, diagnostic sessions	Diagnostic reasoning tasks, lab analysis	OSCE, Diagnostic assessment, MCQs	Rheumatology, Radiology, Pathology	
HomUG-PM III.33.05	Knows how	Pharmacologic (NSAIDs, steroids), physical therapy, rest, ergonomic management.	Develop a treatment plan for managing soft tissue rheumatism.	C3	Must Know	Case-based learning, treatment planning	Treatment planning, clinical decisions	OSCE, Problem Solving	Pharmacology, Rehabilitation, Pain Management	
HomUG-PM III.33.06	Knows how	Differentiate from osteoarthritis, rheumatoid arthritis, and other musculoskeletal pathologies using clinical signs and tests.	Compare and contrast soft tissue rheumatism with other musculoskeletal conditions.	C3	Must Know	Group discussion, case comparison	Differential diagnosis exercises	OSCE, MCQs, Case-based assessments	Rheumatology, Musculoskeletal Medicine	
HomUG-PM III.33.07	Knows how	Chronic pain, disability, joint instability, tendon rupture, and functional impairment.	Identify complications associated with soft tissue rheumatism.	C3	Desirable to know	Case-based learning, complication analysis	Case analysis, complication management	OSCE, MCQs, Case-based assessments	Orthopaedics, Pain Management	
HomUG-PM III.33.08	Knows how	Ergonomic improvements, regular exercise, stretching, injury prevention, and timely medical intervention.	Implement preventive strategies for soft tissue rheumatism.	C3	Desirable to know	Interactive sessions, public health discussions	Preventive measures identification	Short Answer Questions, MCQs	Public Health, Orthopaedics	

HomUG-PM III.33.09	Homoeopathic orientation	Knows how	Homeopathic remedies such as Rhus tox, Bryonia, Arnica, Bellis perennis for inflammation, stiffness, and pain.	Select appropriate homoeopathic remedies for managing soft tissue rheumatism based on symptomology.	C3	Desirable to know	Homeopathic Materia Medica sessions, case discussions	Remedy selection and analysis tasks	OSCE, Structured Viva	Homeopathy, Pain Management
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/Knows	Content	SLO	Blooms Domain / Guilbert's Level	Priority - Must Know/Desirable to know/nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Regional Rheumatic Pain Syndromes										
HomUG-PM III.34.01	Knowledge and Scholarship	Knows	Disorders leading to localized pain affecting specific regions (e.g., shoulder, back, knee, etc.).	Define regional rheumatic pain syndromes and identify common types (e.g., frozen shoulder, rotator cuff syndrome).	C2	Must Know	Lecture, discussions	Short-answer questions, concept mapping	MCQs, Case-based assessments	Musculoskeletal Medicine, Orthopaedics
HomUG-PM III.34.02		Knows how	Inflammation, overuse, trauma, or underlying systemic	Explain the mechanisms leading to regional pain syndromes (e.g., muscle	C3	Must Know	Case discussions, problem-solving	Case analysis, diagram	OSCE, MCQs, Short-	Pathology, Physiology, Orthopaedics

		disease - causing pain in localized regions.	imbalance, tendon degeneration).				explanation	answer Questions	
HomU G-PM III.34.0 3	Knows how	Common conditions: Frozen shoulder, tendinitis, bursitis, carpal tunnel syndrome, cervical spondylosis.	Identify and classify regional rheumatic pain syndromes based on clinical presentation.	C3	Must Know	Case-based learning, group discussion	Case identification exercises	MCQs, OSCE, Case studies	Orthopaedics, Rheumatology, Neurology
HomU G-PM III.34.0 4	Knows how	Diagnostic tools: Clinical examination, imaging (X-ray, ultrasound), lab tests (ESR, CRP).	Perform clinical assessment and select appropriate diagnostic tools for regional rheumatic pain syndromes.	C3	Must Know	Practical workshops, diagnostic sessions	Diagnostic reasoning tasks, clinical diagnosis	OSCE, Practical assessment, Imaging analysis	Orthopaedics, Radiology, Rheumatology
HomU G-PM III.34.0 5	Knows how	Treatment includes pharmacological (NSAIDs, analgesics), physical therapy, ergonomic advice, and surgery.	Develop a treatment plan based on diagnosis and symptom severity.	C3	Must Know	Case-based learning, treatment planning	Treatment strategy development tasks	OSCE, Case studies, Problem-solving	Pharmacology, Rehabilitation, Pain Management
HomU G-PM III.34.0 6	Knows how	Differentiate from conditions like osteoarthritis, rheumatoid arthritis, or fibromyalgia using clinical and diagnostic tools.	Identify and compare regional rheumatic pain syndromes with other musculoskeletal conditions.	C3	Must Know	Case comparison, differential diagnosis exercises	Case comparison exercises, clinical reasoning	OSCE, Short-answer questions, Case study assessments	Rheumatology, Orthopaedics, Neurology
HomU G-PM III.34.0 7	Knows how	Chronic pain, disability, functional limitations, joint degeneration, tendon rupture, etc.	Identify complications associated with regional pain syndromes.	C3	Desirable to know	Case-based learning, complication	Case analysis, complication	OSCE, MCQs, Case studies	Orthopaedics, Pain Management

							managemen t	recognitio n		
HomU G-PM III.34.0 8		Knows how	Preventive measures: Proper ergonomics, injury prevention, early diagnosis, regular exercise.	Develop strategies to prevent the onset and recurrence of regional pain syndromes.	C3	Desirab le to know	Preventive education, interactive sessions	Preventiv e measure identificat ion tasks	Short- answer questions, MCQs	Public Health, Orthopaedics
HomU G-PM III.34.0 9	Homoeopathic orientation	Knows how	Homeopathic remedies: Rhus tox , Arnica , Bryonia , Ruta graveolens , Ledum for pain, stiffness, and swelling.	Select appropriate homoeopathic remedies for managing regional rheumatic pain syndromes based on clinical presentation.	C3	Desirab le to know	Homoeopat hy-based learning, case discussions	Remedy selection and analysis tasks	OSCE, Structured viva	Homeopathy, Pain Management

COMPETENCY TABLES - DISEASES OF CENTRAL NERVOUS SYSTEM & PERIPHERAL NERVOUS SYSTEM

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain / Guilber t's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Approach to the Neurologic Patient										
HomU G-PM III.35.0 1	Knowledge and Scholarship	Knows	Basic steps in the neurological assessment: history, examination, and testing.	Explain the importance and methodology of a comprehensive neurologic assessment.	C2	Must Know	Lecture, demonstrati ons, videos	Short- answer questions, case analysis	MCQs, Structured viva	Neurology, General Medicine

HomU G-PM III.35.0 2		Shows how	Detailed patient history: onset, course, aggravating factors, associated symptoms.	Take a detailed neurologic history, focusing on presenting symptoms, their onset, and progress.	C3/P2	Must Know	Case-based learning, role-playing	History-taking simulation	OSCE, Structured viva	Neurology, Clinical Medicine
HomU G-PM III.35.0 3		Shows how	Examination: mental status, cranial nerves, motor, sensory, coordination, reflexes.	Perform a complete neurological examination including mental status, cranial nerves, motor system, reflexes, and sensation.	C3/P2	Must Know	Hands-on training, demonstrations	Practical exams, case study discussions	OSCE, Practical exam	Neurology, Clinical Examination
HomU G-PM III.35.0 4		Knows how	Analysis of clinical findings in relation to possible neurologic disorders.	Analyze neurological findings and suggest potential differential diagnoses.	C3	Must Know	Case-based learning, group discussions	Differential diagnosis exercises	MCQs, Case presentations, OSCE	Neurology, Pathology, Radiology
HomU G-PM III.35.0 5		Knows how	Diagnostic tests: MRI, CT scan, EEG, EMG, lumbar puncture, and neurophysiology.	Identify the appropriate diagnostic tests based on clinical suspicion and interpret the results.	C3	Must Know	Case discussions, test interpretation	Test interpretation exercises	OSCE, Case-based assessments	Radiology, Laboratory Medicine, Neurology
HomU G-PM III.35.0 6		Knows how	Management: pharmacological, non-pharmacological, rehabilitation, surgical options.	Develop a treatment plan considering the patient's diagnosis, response to treatment, and prognosis.	C3	Must Know	Case-based learning, treatment planning	Treatment plan development tasks	OSCE, Treatment plan assessment	Neurology, Pharmacology, Rehabilitation
HomU G-PM III.35.0 7		Knows How	Effective communication with patients and families about the diagnosis,	Communicate clearly and empathetically the neurologic diagnosis and treatment options to the patient and family.	A4	Desirable to know	Role-playing, patient-centered education	Communication skill evaluation, feedback	OSCE, Patient interviews, Communi	Communication skills, Clinical Medicine

			prognosis, and treatment options.						ation skills	
HomU G-PM III.35.0 8		Knows how	Collaboration with neurosurgeons, physical therapists, psychologists, and other specialists.	Identify the role of interdisciplinary care in managing complex neurologic cases.	C2	Desirable to know	Team-based learning, interprofessional workshops	Case discussions, teamwork exercises	OSCE, Case studies, Teamwork evaluation	Neurology, Multidisciplinary Care
HomU G-PM III.35.0 9		Knows how	Psychosocial aspects: cognitive decline, mental health, social support systems, and family coping.	Recognize and address the psychosocial aspects associated with neurologic disorders.	C3	Desirable to know	Group discussions, psychosocial case scenarios	Psychosocial evaluation, reflective journaling	Case studies, Patient interviews	Psychiatry, Neurology, Social Medicine
HomU G-PM III.35.1 0	Homoeopathic orientation	Knows how	Integration of homoeopathic remedies based on clinical symptoms and holistic patient care.	Define indication of remedies like: Calcarea carbonica , Baryta carbonica , Gelsemium , Cocculus , and their use in neurologic disorders.	C3	Must Know	Homeopathy-based learning, case discussions	Remedy selection tasks, integrative care assessments	MCQs, Case-based assessments, Structured viva	Neurology, Integrative Medicine, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Cerebrovascular Accident (Stroke)

HomUG-PM III.36.01	Knowledge and Scholarship	Knows	Ischemic and haemorrhagic strokes, transient ischemic attack (TIA).	Define CVA and Explain the mechanisms of ischemia, infarction, and haemorrhage in stroke.	C2	Must Know	Lectures, videos	MCQs, case-based questions	Theory exams, structured viva	Neurology, Pathology
HomUG-PM III.36.02		Knows how	Hypertension, diabetes, atrial fibrillation, dyslipidaemia, smoking, etc.	Identify modifiable and non-modifiable risk factors for stroke.	C3	Must Know	Interactive discussions, group learning	Risk factor analysis exercises	MCQs, case-based assessments	Neurology, Preventive Medicine
HomUG-PM III.36.03		Knows how	Symptoms: hemiparesis, aphasia, dysarthria, visual field deficits, etc.	Recognize the clinical presentation of ischemic and haemorrhagic stroke.	C3	Must Know	Case-based learning, simulations	Symptom recognition exercises	OSCE, case presentations	Neurology, Clinical Medicine
HomUG-PM III.36.04		Knows how	Examination of cranial nerves, motor function, sensation, and coordination.	Conduct a neurologic exam focusing on signs of stroke.	C3/P2	Must Know	Demonstrations, hands-on practice	Practical exams	OSCE, skill stations	Neurology, Clinical Examination
HomUG-PM III.36.05		Knows how	CT, MRI, carotid Doppler, angiography, coagulation profile.	Explain the role of imaging and lab tests in stroke diagnosis.	C3	Must Know	Demonstrations, case discussions	Test interpretation exercises	MCQs, imaging-based assessments	Radiology, Neurology
HomUG-PM III.36.06		Knows how	Thrombolysis, anticoagulation, management of intracranial pressure, surgery.	Develop an acute care plan, including the use of thrombolytics in ischemic stroke.	C3	Must Know	Case-based learning, treatment planning	Treatment plan formulation exercises	OSCE, case-based evaluations	Neurology, Pharmacology
HomUG-PM III.36.07		Knows how	Physiotherapy, occupational therapy, speech	Explain the importance of rehabilitation in improving functional outcomes.	C3	Desirable to know	Interactive sessions, case discussions	Group discussions,	Theory exams, case presentations	Neurology, Rehabilitation Medicine

			therapy, and psychological support.					role-play scenarios		
HomUG-PM III.36.08		Knows how	Lifestyle modifications, medication adherence, and follow-up.	Communicate preventive strategies to patients and families.	C3/A4	Must Know	Role-playing, patient-centered education	Patient education evaluation	OSCE, Communication skill assessment	Preventive Medicine, Public Health
HomUG-PM III.36.09	Homoeopathic Orientation	Knows how	Identify appropriate homoeopathic remedies for post-stroke recovery.	Define indications of Homeopathic remedies: Arnica, Lachesis, Aconitum napellus, Nux vomica.	C3	Must Know	Homeopathy-focused case discussions	Remedy selection exercises	MCQs, case-based assessments	Neurology, Integrative Medicine, Homoeopathy
HomUG-PM III.36.10	Knowledge and Scholarship	Knows how	Anxiety, depression, caregiver burden, quality of life post-stroke.	Recognize and address the psychosocial challenges faced by stroke patients and caregivers.	C3	Desirable to know	Group discussions, role-playing scenarios	Psychosocial evaluation, reflective journaling	Case-based evaluations, Patient interviews	Psychiatry, Neurology, Social Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Alzheimer's Disease										
HomUG-PM III.37.01	Knowledge and Scholarship	Knows	Definition of Alzheimer's Disease	Explain Alzheimer's Disease as a progressive neurodegenerative disorder affecting memory, cognition, and daily functioning.	C2	Must Know	Didactic lectures, discussions	Concept clarification exercises	Theory exams	Neurology, Psychiatry

HomUG-PM III.37.02		Knows	Pathophysiology of Alzheimer's Disease	Describe the mechanisms of neurodegeneration, including amyloid plaques and tau tangles.	C2	Must Know	Lectures, videos	MCQs, case discussions	Theory exams, structured viva	Neurology, Pathology
HomUG-PM III.37.03		Knows how	Risk factors for Alzheimer's Disease	List the genetic, environmental, and lifestyle-related factors contributing to Alzheimer's.	C3	Must Know	Group discussions, case-based learning	Risk factor analysis tasks	Theory exams, case-based questions	Neurology, Preventive Medicine
HomUG-PM III.37.04		Knows how	Clinical features of Alzheimer's Disease	Identify symptoms like memory loss, cognitive decline, and functional impairments.	C3	Must Know	Case discussions, video demonstrations	Symptom recognition exercises	Theory exams, OSCE	Neurology, Psychiatry
HomUG-PM III.37.05		Shows how	Perform a focused cognitive assessment	Demonstrate tools for early detection of cognitive decline.	P2	Must Know	Practical demonstrations, role-plays	Skill assessments, mock evaluations	OSCE, skill stations	Neurology, Clinical Psychology
HomUG-PM III.37.06		Knows how	Diagnosis of Alzheimer's Disease	Outline the use of imaging and biomarkers for diagnosing Alzheimer's.	C3	Must Know	Case-based discussions, imaging demos	Test interpretation tasks	Theory exams, imaging-based assessments	Radiology, Neurology
HomUG-PM III.37.07		Knows how	Management Plan of Alzheimer's Disease	Develop strategies to slow progression and improve quality of life.	C3	Must Know	Case studies, treatment planning sessions	Management plan formulation exercises	OSCE, case-based evaluations	Neurology, Pharmacology, Psychiatry
HomUG-PM III.37.08		Knows how	Psychosocial Aspects in Alzheimer's Disease management	Address emotional and practical challenges for patients and caregivers.	A4	Must Know	Role-playing, group discussions	Reflective journaling, patient scenarios	Case-based evaluations, patient interviews	Psychiatry, Neurology, Social Medicine
HomUG-PM III.37.09	Homoeopathic orientation	Knows how	Homoeopathic management for Alzheimer's Disease	Identify remedies to support symptom relief and patient well-being.	C3	Must Know	Homoeopathy-focused case discussions	Remedy selection exercises	MCQs, case-based questions	Neurology, Homoeopathy

HomUG-PM III.37.10	Knowledge and Scholarship	Knows how	Educate families on disease progression and care strategies	Provide guidance on disease progression, care strategies, and future planning.	A4	Must Know	Family-centered education, role-plays	Patient education evaluations	OSCE, communication skill assessments	Preventive Medicine, Public Health
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Seizure Disorders & Epilepsy

HomUG-PM III.38.01	Knowledge and Scholarship	Knows	Definition of seizure and epilepsy	Differentiate between seizure and epilepsy.	C2	Must Know	Didactic lectures, group discussions	Concept clarification exercises	Theory exams	Neurology
HomUG-PM III.38.02		Knows	Classification of seizures	Describe types of seizures with examples.	C2	Must Know	Lectures, video demonstrations	MCQs, diagram-based discussions	Theory exams	Neurology, Clinical Neurophysiology
HomUG-PM III.38.03		Knows how	Aetiology and risk factors	Identify the causes and predisposing factors for seizure disorders.	C3	Must Know	Case-based learning, group discussions	Cause identification exercises	Case-based questions	Neurology, Pathology
HomUG-PM III.38.04		Knows how	Clinical features of different seizure types	Recognize specific symptoms and phases of seizure events.	C3	Must Know	Case demonstrations, video analysis	Symptom recognition exercises	OSCE, theory exams	Neurology, Psychiatry

HomUG-PM III.38.05		Shows how	Neurological examination post-seizure	Demonstrate appropriate clinical examination after a seizure episode.	P2/3	Must Know	Practical sessions, role-plays	Skill-based assessments	OSCE, skill stations	Neurology, Emergency Medicine
HomUG-PM III.38.06		Knows how	Diagnosis of seizure disorders	Explain diagnostic tools used in evaluating seizure disorders.	C3	Must Know	Imaging demonstrations, EEG interpretation	Test interpretation tasks	Theory exams, diagnostic-based questions	Neurology, Radiology
HomUG-PM III.38.07		Knows how	Management plan for seizure disorders	Formulate an individualized treatment strategy for seizure management.	C3	Must Know	Case studies, drug discussions	Management plan formulation exercises	Theory exams, case-based evaluations	Neurology, Pharmacology
HomUG-PM III.38.08		Knows how	Psychosocial impacts of epilepsy	Recognize the psychosocial challenges faced by patients with epilepsy.	C3	Desirable to Know	Group discussions, role-playing	Reflection notes, patient role-play feedback	Communication skill assessments	Neurology, Psychiatry, Social Medicine
HomUG-PM III.38.09		Shows how	Educate patients and families on seizure first aid	Demonstrate first-aid techniques for managing seizures in emergencies.	P2/3	Must Know	Practical sessions, videos	First-aid demonstrations	OSCE, communication assessments	Emergency Medicine, Public Health
HomUG-PM III.38.10	Homoeopathic Orientation	Knows how	Homoeopathic management for seizure disorders	Identify remedies for acute and chronic seizure management.	C3	Must Know	Case-based discussions, remedy analysis	Remedy selection exercises	MCQs, case-based questions	Neurology, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Brain Infections - Meningitis										

HomUG-PM III.39.01	Knowledge and Scholarship	Knows	Definition and Classification of Meningitis	Explain the definition of meningitis and categorize its types based on aetiology.	C2	Must Know	Lectures, group discussions	Concept clarification exercises	Theory exams	Neurology, Microbiology
HomUG-PM III.39.02		Knows	Risk Factors and Pathophysiology of Meningitis	Identify risk factors and describe the pathophysiological changes in meningitis.	C2	Must Know	Didactic lectures, visual aids	MCQs, pathophysiology flowchart exercises	Theory exams	Neurology, Pathology
HomUG-PM III.39.03		Knows how	Clinical Features of Meningitis	Recognize common and distinguishing clinical features of meningitis.	C3	Must Know	Video demonstrations, case-based learning	Symptom identification tasks	OSCE, theory exams	Neurology, Internal Medicine
HomUG-PM III.39.04		Shows how	Clinical Examination of Meningitis	Perform a detailed clinical examination to identify meningeal signs and assess severity.	C3/P2	Must Know	Practical sessions, role-plays	Skill-based assessments	OSCE, skill stations	Neurology, Clinical Skills
HomUG-PM III.39.05		Knows how	Diagnosis of Meningitis	Explain diagnostic approaches and interpret common findings in meningitis.	C3	Must Know	Case-based discussions, lab data reviews	Diagnostic interpretation tasks	Case-based evaluations, theory exams	Neurology, Radiology, Microbiology
HomUG-PM III.39.06		Knows how	Management of Meningitis	Develop and implement management plans for acute bacterial and viral meningitis.	C3	Must Know	Case-based learning, group discussions	Treatment plan formulation exercises	Theory exams, case-based evaluations	Neurology, Pharmacology
HomUG-PM III.39.07		Knows how	Complications of Meningitis	Recognize and address potential complications of meningitis.	C3	Must Know	Lectures, case-based discussions	Complication identification exercises	MCQs, clinical scenario evaluations	Neurology, Internal Medicine
HomUG-PM III.39.08	Homoeopathic orientation	Knows how	Homoeopathic Management of Meningitis	Select appropriate remedies for acute and chronic cases of meningitis.	C3	Nice to Know	Remedy-focused discussions, case studies	Remedy selection tasks	MCQs, case-based evaluations	Neurology, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Brain Infections - Encephalitis										
HomUG-PM III.40.01	Knowledge and Scholarship	Knows	Definition and Classification of Encephalitis	Define encephalitis and classify it into viral, autoimmune, and other types.	C2	Must Know	Lectures, group discussions	Definition recall exercises	Theory exams	Neurology, Microbiology
HomUG-PM III.40.02		Knows	Mechanisms – Pathophysiology of Encephalitis	Explain the mechanisms underlying the development of encephalitis.	C2	Must Know	Didactic lectures, visual aids	Pathophysiology flowchart exercises	MCQs, theory exams	Neurology, Pathology
HomUG-PM III.40.03		Knows how	Clinical Manifestations of Encephalitis	Describe the clinical features of encephalitis, including systemic and neurological symptoms.	C3	Must Know	Video demonstrations, case-based learning	Clinical feature identification tasks	OSCE, theory exams	Neurology, Internal Medicine
HomUG-PM III.40.04		Shows how	Neurological Examination of Encephalitis	Conduct a thorough neurological examination for suspected encephalitis cases.	P2/3	Must Know	Practical sessions, role-plays	Skill-based assessments	OSCE, skill stations	Neurology, Clinical Skills
HomUG-PM III.40.05		Knows how	Diagnosis of Encephalitis	Interpret diagnostic findings, including imaging and laboratory results, to diagnose encephalitis.	C3	Must Know	Lab-based case studies, data interpretation	Diagnostic interpretation tasks	Case-based evaluations, theory exams	Neurology, Radiology, Microbiology
HomUG-PM III.40.06		Knows how	Treatment of Encephalitis	Develop and implement a treatment plan for managing viral encephalitis.	C3	Must Know	Case discussions, interactive sessions	Treatment plan formulation exercises	Theory exams, case-based evaluations	Neurology, Pharmacology
HomUG-PM III.40.07		Knows how	Complications of Encephalitis	Identify potential complications and apply preventive or therapeutic strategies.	C3	Must Know	Lectures, case discussions	Complication identification exercises	MCQs, clinical scenario evaluations	Neurology, Internal Medicine

HomUG-PM III.40.08	Homoeopathic orientation	Knows how	Homoeopathic Remedies for Encephalitis	Choose appropriate homeopathic remedies for acute encephalitis based on clinical presentation.	C3	Nice to Know	Remedy-focused discussions, case studies	Remedy selection exercises	MCQs, case-based evaluations	Neurology, Homoeopathy
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Movement Disorders - Parkinson's Disease (PD)

HomUG-PM III.41.01	Knowledge and Scholarship	Knows	Definition of Parkinson's Disease	Define and classify Parkinson's disease.	C2	Must Know	Lectures, discussions	Definition recall exercises	Theory exams	Neurology, Pathology
HomUG-PM III.41.02		Knows	Pathophysiology of Parkinson's Disease	Explain the neurobiological mechanisms underlying Parkinson's disease.	C2	Must Know	Didactic lectures, visual aids	Pathophysiology diagram exercises	MCQs, theory exams	Neurology, Biochemistry
HomUG-PM III.41.03		Knows how	Clinical features of Parkinson's Disease	Recognize motor and non-motor symptoms of PD.	C3	Must Know	Case-based learning, videos	Symptom recognition tasks	OSCE, theory exams	Neurology, Internal Medicine
HomUG-PM III.41.04		Shows how	Neurological Examination of Parkinson's Disease	Demonstrate the ability to conduct a focused neurological exam for PD.	P2/3	Must Know	Practical sessions, role-plays	Skill-based assessments	OSCE, skill stations	Neurology, Clinical Skills
HomUG-PM III.41.05		Knows how	Diagnosis of Parkinson's Disease	Apply diagnostic criteria and interpret relevant investigations for PD.	C3	Must Know	Lab-based case studies, data interpretation	Diagnostic criteria application tasks	Case-based evaluations, theory exams	Neurology, Radiology, Pathology

HomUG-PM III.41.06		Knows how	Management and Medications for Parkinson's Disease	Develop and implement treatment plans for Parkinson's disease.	C3	Must Know	Interactive sessions, case discussions	Treatment plan formulation exercises	Theory exams, case-based evaluations	Neurology, Pharmacology, Rehabilitation
HomUG-PM III.41.07		Knows how	Complications of Parkinson's Disease	Identify complications and plan their management.	C3	Must Know	Case discussions, group learning	Complication identification exercises	MCQs, clinical scenario evaluations	Neurology, Internal Medicine
HomUG-PM III.41.08	Homoeopathic orientation	Knows how	Homoeopathic Remedies for Parkinson's Disease	Select appropriate homoeopathic remedies based on clinical features and constitution.	C3	Must Know	Case studies, remedy-focused discussions	Remedy selection exercises	MCQs, case-based evaluations	Neurology, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Movement Disorders - Cerebellar Disorders

HomUG-PM III.42.01	Knowledge and Scholarship	Knows	Definition and Classification. Of Cerebellar Disorders	Define cerebellar disorders and classify based on aetiology.	C2	Must Know	Didactic lectures, discussions	Recall exercises on definitions and classification	MCQs, theory exams	Neurology, Pathology
HomUG-PM III.42.02		Knows	Anatomy and Functions of Cerebellum.	Explain the anatomical structure and functional roles of the cerebellum.	C2	Must Know	Lectures, visual aids	Labelling diagrams	Theory exams, viva voce	Neurology, Anatomy
HomUG-PM III.42.03		Knows how	Symptoms of cerebellar dysfunction	Identify key clinical features of cerebellar dysfunction.	C3	Must Know	Case-based learning, videos	Symptom recognition exercises	OSCE, case-based evaluations	Neurology, Internal Medicine

HomUG-PM III.42.04		Shows how	Neurological examination of cerebellar dysfunctions	Demonstrate clinical examination skills specific to cerebellar dysfunction.	P2/3	Must Know	Practical sessions, role-plays	Skill demonstration	OSCE, skill stations	Neurology, Clinical Skills
HomUG-PM III.42.05		Knows how	Investigations and Diagnosis of cerebellar dysfunctions.	Apply diagnostic tools to confirm cerebellar disorders.	C3	Must Know	Case studies, diagnostic workshops	Diagnostic criteria exercises	Theory exams, case-based evaluations	Neurology, Radiology
HomUG-PM III.42.06		Knows how	Management of cerebellar disorders	Plan and implement management strategies for cerebellar disorders.	C3	Must Know	Case discussions, group learning	Management plan exercises	Theory exams, case-based evaluations	Neurology, Rehabilitation Medicine
HomUG-PM III.42.07	Homoeopathic orientation	Knows how	Homoeopathic management of cerebellar disorders	Define remedies like: Argentum nitricum (tremors with ataxia), Gelsemium (weakness and coordination issues), Cocculus (imbalance, vertigo), Causticum (motor incoordination).	C3	Desirable to Know	Remedy-focused discussions, case studies	Remedy selection exercises	MCQs, case-based evaluations	Neurology, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Hyperkinetic movement disorders: Tremor, Chorea

HomUG-PM III.43.01	Knowledge and Scholarship	Knows	Definition and classification of hyperkinetic	Define hyperkinetic movement disorders and classify them into subtypes.	C2	Must Know	Didactic lectures, discussions	Recall exercises	MCQs, theory exams	Neurology
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			movement disorders							
HomUG-PM III.43.02		Knows how	Pathophysiology of tremor and chorea	Describe the underlying pathophysiology of tremor and chorea.	C3	Must Know	Lectures, problem-solving sessions	Pathophysiology exercises	Theory exams	Neurology, Pathology
HomUG-PM III.43.03		Knows how	Clinical features of tremor and chorea	Recognize clinical features of tremor and chorea.	C3	Must Know	Clinical case discussions, video aids	Symptom identification tasks	OSCE, case-based evaluations	Neurology, Internal Medicine
HomUG-PM III.43.04		Shows how	Neurological examination	Demonstrate clinical examination for tremor and chorea.	P2/3	Must Know	Practical sessions, role-play	Examination skill assessments	OSCE, skill stations	Neurology, Clinical Skills
HomUG-PM III.43.05		Knows how	Investigations and Diagnosis	Apply diagnostic tools to confirm tremor and chorea.	C3	Must Know	Case studies, diagnostic workshops	Diagnostic tool exercises	Theory exams, case-based evaluations	Neurology, Radiology
HomUG-PM III.43.06		Knows how	Management of tremor and chorea	Plan and implement management strategies for tremor and chorea.	C3	Must Know	Case discussions, group learning	Management planning exercises	Theory exams, case-based evaluations	Neurology, Pharmacology
HomUG-PM III.43.07	Homoeopathic orientation	Knows how	Homoeopathic management of tremor and chorea	Define homoeopathic remedies like: Zincum metallicum (restlessness and choreiform movements), Agaricus (tremors, twitching), Hyoscyamus (chorea, grimaces), Cuprum metallicum (spasms).	C3	Must Know	Remedy-focused discussions, case studies	Remedy selection exercises	MCQs, case-based evaluations	Neurology, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Ataxic disorders										
HomUG-PM III.44.01	Knowledge and Scholarship	Knows	Definition and Classification of ataxia.	Define ataxia and classify its types.	C2	Must Know	Didactic lectures, discussions	Recall exercises	MCQs, theory exams	Neurology
HomUG-PM III.44.02		Knows how	Pathophysiology of ataxic disorders	Describe the pathophysiology of cerebellar, sensory, and vestibular ataxia.	C3	Must Know	Lectures, problem-solving sessions	Pathophysiology exercises	Theory exams	Neurology, Pathology
HomUG-PM III.44.03		Knows how	Clinical features of ataxic disorders	Recognize clinical features of ataxic disorders.	C3	Must Know	Clinical case discussions, video aids	Symptom identification tasks	OSCE, case-based evaluations	Neurology, Internal Medicine
HomUG-PM III.44.04		Shows how	Clinical examination for ataxia	Demonstrate clinical examination for ataxia.	P2/3	Must Know	Practical sessions, role-play	Examination skill assessments	OSCE, skill stations	Neurology, Clinical Skills
HomUG-PM III.44.05		Knows how	Investigations and Diagnosis of Ataxia	Apply diagnostic tools to confirm ataxic disorders.	C3	Must Know	Case studies, diagnostic workshops	Diagnostic tool exercises	Theory exams, case-based evaluations	Neurology, Radiology
HomUG-PM III.44.06		Knows how	Management of Ataxic disorders	Define management strategies for ataxic disorders.	C3	Must Know	Case discussions, group learning	Management planning exercises	Theory exams, case-based evaluations	Neurology, Pharmacology

HomUG-PM III.44.07	Homoeopathic orientation	Knows how	Homoeopathic management of ataxia	Define remedies like: Argentum nitricum (unsteady gait), Gelsemium (motor incoordination), Alumina (loss of balance), Phosphorus (tremors, instability).	C3	Must Know	Remedy-focused discussions, case studies	Remedy selection exercises	MCQs, case-based evaluations	Neurology, Homoeopathy
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Trigeminal neuralgia

HomUG-PM III.45.01	Knowledge and Scholarship	Knows	Definition of trigeminal neuralgia.	Define trigeminal neuralgia.	C2	Must Know	Didactic lectures, discussions	Recall exercises	MCQs, theory exams	Neurology
HomUG-PM III.45.02		Knows how	Classification of trigeminal neuralgia.	Classify trigeminal neuralgia into primary and secondary forms.	C3	Must Know	Lectures, group discussions	Classification tasks	Theory exams, case-based evaluations	Neurology
HomUG-PM III.45.03		Knows how	Pathophysiology of trigeminal neuralgia.	Describe the pathophysiology of trigeminal neuralgia.	C3	Must Know	Problem-solving sessions, discussions	Pathophysiology exercises	Theory exams	Neurology, Pathology
HomUG-PM III.45.04		Knows how	Clinical Features of trigeminal neuralgia.	Recognize clinical features and triggers of trigeminal neuralgia.	C3	Must Know	Clinical case discussions, video aids	Symptom identification tasks	OSCE, case-based evaluations	Neurology, Internal Medicine

HomUG-PM III.45.05		Shows how	Clinical examination for trigeminal neuralgia	Demonstrate clinical examination techniques for trigeminal neuralgia.	P2/3	Must Know	Practical sessions, role-play	Examination skill assessments	OSCE, skill stations	Neurology, Clinical Skills
HomUG-PM III.45.06		Knows how	Diagnosis of trigeminal neuralgia.	Utilize imaging for diagnosing trigeminal neuralgia.	C3	Must Know	Case studies, diagnostic workshops	Diagnostic tool exercises	Theory exams, case-based evaluations	Neurology, Radiology
HomUG-PM III.45.07		Knows how	Medical and Surgical management of trigeminal neuralgia.	Define management strategies for trigeminal neuralgia.	C3	Must Know	Case discussions, group learning	Management planning exercises	Theory exams, case-based evaluations	Neurology, Pharmacology, Neurosurgery
HomUG-PM III.45.08	Homoeopathic orientation	Knows how	Homoeopathic management of trigeminal neuralgia	Define remedies like: Spigelia (sharp neuralgic pain), Magnesium phosphoricum (relieved by warmth), Aconitum (sudden, intense pain).	C3	Must Know	Remedy-focused discussions, case studies	Remedy selection exercises	MCQs, case-based evaluations	Neurology, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Bell's Palsy

HomUG-PM III.46.01	Knowledge and Scholarship	Knows	Definition of Bell's Palsy	Define Bell's Palsy.	C2	Must Know	Didactic lectures, discussions	Recall exercises	MCQs, theory exams	Neurology
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HomUG-PM III.46.02		Knows how	Aetiology of Bell's Palsy	Identify the causes of Bell's Palsy.	C3	Must Know	Case discussions, group learning	Aetiology analysis assignments	MCQs, theory exams	Neurology, Internal Medicine
HomUG-PM III.46.03		Knows how	Pathophysiology of Bell's Palsy	Describe the pathophysiology of Bell's Palsy.	C3	Must Know	Problem-solving sessions, discussions	Pathophysiology exercises	Theory exams	Neurology, Pathology
HomUG-PM III.46.04		Knows how	Clinical features of Bell's Palsy	Identify the clinical presentation of Bell's Palsy.	C3	Must Know	Video demonstrations, case-based discussions	Symptom identification tasks	OSCE, case-based evaluations	Neurology
HomUG-PM III.46.05		Shows how	Clinical Examination of Bell's Palsy	Demonstrate a clinical examination of the facial nerve.	P2/3	Must Know	Practical sessions, role-play	Examination skill assessments	OSCE, skill stations	Neurology, Clinical Skills
HomUG-PM III.46.06		Knows how	Diagnosis of Bell's Palsy	Apply diagnostic criteria for Bell's Palsy.	C3	Must Know	Diagnostic workshops, case studies	Diagnostic tool exercises	Theory exams, case-based evaluations	Neurology, Radiology
HomUG-PM III.46.07		Knows how	Treatment of Bell's Palsy	Formulate a medical treatment plan for Bell's Palsy.	C3	Must Know	Case discussions, group learning	Management planning exercises	Theory exams, case-based evaluations	Neurology, Pharmacology
HomUG-PM III.46.08	Homoeopathic orientation	Knows how	Homoeopathic management of Bell's Palsy	Define remedies like: Causticum (facial droop), Aconitum (sudden onset), Gelsemium (paralysis with weakness).	C3	Must Know	Remedy-focused discussions, case studies	Remedy selection exercises	MCQs, case-based evaluations	Neurology, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable	T-L Methods	Assessment	Integration
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Demyelinating Disorders										
HomUG- PM III.47.01	Knowledge and Scholarship	Knows	Definition of demyelinating disorders	Define demyelinating disorders.	C2	Must Know	Didactic lectures, discussions	Recall exercises	MCQs, theory exams	Neurology, Pathology
HomUG- PM III.47.02		Knows how	Types of demyelinating disorders	Classify demyelinating disorders based on CNS and PNS involvement.	C3	Must Know	Case discussions, group learning	Classification exercises	Theory exams	Neurology
HomUG- PM III.47.03		Knows how	Pathophysiology of demyelinating disorders	Explain the underlying mechanisms of demyelination.	C3	Must Know	Problem-solving sessions, discussions	Pathophysiology exercises	Theory exams	Neurology, Pathology
HomUG- PM III.47.04		Knows how	Clinical features of types of demyelinating disorders	Identify the clinical presentation of multiple sclerosis.	C3	Must Know	Video demonstrations, case-based discussions	Symptom identification tasks	OSCE, case-based evaluations	Neurology
HomUG- PM III.47.05		Shows how	Examination types of demyelinating disorders	Demonstrate a neurological examination for suspected demyelination.	P2/4	Must Know	Practical sessions, role-play	Examination skill assessments	OSCE, skill stations	Neurology, Clinical Skills
HomUG- PM III.47.06		Knows how	Diagnosis of demyelinating disorders	Apply diagnostic criteria for demyelinating disorders.	C3	Must Know	Diagnostic workshops, case studies	Diagnostic tool exercises	Theory exams, case-based evaluations	Neurology, Radiology
HomUG- PM III.47.07		Knows how	Treatment of demyelinating disorders	Formulate a treatment plan for multiple sclerosis.	C3	Must Know	Case discussions, group learning	Management planning exercises	Theory exams, case-based evaluations	Neurology, Pharmacology
HomUG- PM III.47.08	Homoeopathic orientation	Knows how	Homoeopathic management of demyelinating disorders	Define remedies like: Causticum (muscle weakness), Plumbum met.	C3	Must Know	Remedy-focused discussions, case studies	Remedy selection exercises	MCQs, case-based evaluations	Neurology, Homeopathy

				(paralysis), Lathyrus (spasticity).					
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Disorders of Peripheral Nervous System

HomUG-PM III.48.01	Knowledge and Scholarship	Knows	Definition of PNS disorders.	Define peripheral nervous system disorders.	C2	Must Know	Didactic lectures, group discussions	Recall exercises	MCQs, theory exams	Neurology, Anatomy
HomUG-PM III.48.02		Knows how	Classification of disorders of PNS.	Classify PNS disorders with examples.	C3	Must Know	Case discussions, problem-solving sessions	Classification exercises	MCQs, theory exams	Neurology
HomUG-PM III.48.03		Knows how	Pathophysiology of disorders of the PNS	Describe the underlying mechanisms of peripheral nerve damage.	C3	Must Know	Interactive lectures, case-based learning	Pathophysiology exercises	Theory exams	Neurology, Pathology
HomUG-PM III.48.04		Knows how	Clinical Features of disorders of the PNS	Identify key symptoms and signs of PNS disorders.	C3	Must Know	Video demonstrations, case-based discussions	Symptom identification tasks	OSCE, case-based evaluations	Neurology
HomUG-PM III.48.05		Shows how	Examination of disorders of the PNS	Demonstrate neurological examination techniques for peripheral nerve assessment.	P2/3	Must Know	Practical sessions, role-play	Skill demonstration evaluations	OSCE, skill stations	Neurology, Clinical Skills

HomUG-PM III.48.06		Knows how	Diagnosis of disorders of the PNS	Apply diagnostic tools and techniques for PNS disorders.	C3	Must Know	Diagnostic workshops, case studies	Diagnostic tool exercises	MCQs, case-based evaluations	Neurology, Radiology
HomUG-PM III.48.07		Knows how	Management of disorders of the PNS	Formulate a management plan for peripheral neuropathies and other PNS disorders.	C3	Must Know	Case-based discussions, group learning	Treatment planning exercises	Theory exams, case-based evaluations	Neurology, Pharmacology
HomUG-PM III.48.08	Homoeopathic orientation	Knows how	Homoeopathic management of disorders of PNS	Define remedies like: Hypericum (nerve injuries), Causticum (progressive weakness), Rhus tox (radicular pain).	Cognitive	Must Know	Remedy-focused discussions, case studies	Remedy selection exercises	MCQs, case-based evaluations	Neurology, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Muscular Dystrophies

HomUG-PM III.49.01	Knowledge and Scholarship	Knows	Definition of muscular dystrophy.	Define muscular dystrophies and their general characteristics.	C2	Must Know	Didactic lectures, group discussions	Recall exercises	MCQs, theory exams	Neurology, Genetics
HomUG-PM III.49.02		Knows how	Classification of muscular dystrophies.	Classify muscular dystrophies based on genetic and clinical features.	C3	Must Know	Interactive lectures, case-based learning	Classification exercises	Theory exams, case discussions	Neurology, Genetics
HomUG-PM III.49.03		Knows how	Pathophysiology of muscular dystrophies	Describe the genetic and molecular mechanisms underlying muscular dystrophies.	C3	Must Know	Problem-solving sessions, animations	Pathophysiology exercises	MCQs, case evaluations	Neurology, Pathology

HomUG-PM III.49.04		Knows how	Clinical Features of muscular dystrophies.	Identify symptoms and signs associated with various muscular dystrophies.	C3	Must Know	Case studies, clinical demonstrations	Symptom recognition tasks	OSCE, case-based evaluations	Neurology, Paediatrics
HomUG-PM III.49.05		Shows how	Examination of muscular dystrophies.	Demonstrate clinical examination techniques for muscle weakness assessment.	P2/3	Must Know	Practical sessions, supervised clinical rounds	Skill demonstration evaluations	OSCE, skill stations	Neurology, Clinical Skills
HomUG-PM III.49.06		Knows how	Diagnosis of muscular dystrophies.	Apply diagnostic tools for identifying muscular dystrophies.	C3	Must Know	Diagnostic workshops, case discussions	Diagnostic exercises	MCQs, case evaluations	Neurology, Pathology, Radiology
HomUG-PM III.49.07		Knows how	Management of muscular dystrophies.	Formulate a management plan for patients with muscular dystrophies.	C3	Must Know	Case-based learning, group discussions	Treatment planning tasks	Theory exams, case discussions	Neurology, Orthopaedics
HomUG-PM III.49.08	Homoeopathic orientation	Knows how	Homoeopathic management of muscular dystrophies	Define remedies like: Causticum (paralysis), Gelsemium (weakness), Arnica (muscle injury recovery).	C3	Must Know	Remedy-focused sessions, case discussions	Remedy selection exercises	MCQs, case-based evaluations	Neurology, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Polymyositis										
HomUG-PM III.50.01	Knowledge and Scholarship	Knows	Definition of polymyositis.	Define polymyositis and differentiate it from other myopathies.	C2	Must Know	Didactic lectures, group discussions	Recall exercises	MCQs, theory exams	Neurology, Rheumatology

HomUG-PM III.50.02		Knows how	Aetiology and Pathogenesis of polymyositis	Describe the autoimmune mechanisms and triggers of polymyositis.	C3	Must Know	Interactive lectures, animations	Pathogenesis exercises	MCQs, case evaluations	Neurology, Immunology
HomUG-PM III.50.03		Knows how	Clinical Features of polymyositis	Recognize signs and symptoms of polymyositis for early diagnosis.	C3	Must Know	Case-based discussions, clinical demonstrations	Symptom recognition tasks	OSCE, case-based evaluations	Neurology, Rheumatology
HomUG-PM III.50.04		Shows how	Examination of polymyositis	Demonstrate muscle strength testing and identify signs of proximal muscle weakness.	P2/3	Must Know	Practical sessions, supervised clinical rounds	Skill demonstration evaluations	OSCE, skill stations	Neurology, Clinical Skills
HomUG-PM III.50.05		Knows how	Diagnosis of polymyositis	Utilize appropriate diagnostic tools for confirming polymyositis.	C3	Must Know	Diagnostic workshops, problem-solving sessions	Diagnostic tool exercises	Theory exams, case evaluations	Neurology, Pathology
HomUG-PM III.50.06		Knows how	Management of polymyositis.	Develop a comprehensive treatment plan for polymyositis.	C3	Must Know	Case-based learning, group discussions	Treatment planning tasks	MCQs, theory exams, case discussions	Neurology, Pharmacology
HomUG-PM III.50.07	Homoeopathic orientation	Knows how	Homoeopathic management of polymyositis	Define remedies like: Rhus tox (stiffness, muscle pain), Bryonia (inflammation, movement-aggravated pain), Causticum (progressive muscle weakness).	C3	Must Know	Homoeopathic remedy-focused sessions, discussions	Remedy selection exercises	MCQs, case-based evaluations	Neurology, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Motor Neuron Disease (MND)										
HomUG-PM III.51.01	Knowledge and Scholarship	Knows	Definition of Motor Neuron Disease (MND)	Define Motor Neuron Disease and differentiate it from other neuromuscular disorders.	C2	Must Know	Didactic lectures, group discussions	Recall exercises	MCQs, theory exams	Neurology, Clinical Medicine
HomUG-PM III.51.02		Knows how	Aetiology of Motor Neuron Disease (MND).	Describe the genetic, environmental, and pathophysiological mechanisms of MND.	C3	Must Know	Interactive lectures, problem-solving sessions	Pathogenesis exercises	MCQs, case evaluations	Neurology, Genetics
HomUG-PM III.51.03		Knows how	Clinical Features of Motor Neuron Disease (MND)	Recognize the clinical signs and symptoms of MND for early diagnosis and intervention.	C3	Must Know	Case-based discussions, clinical demonstrations	Symptom recognition tasks	OSCE, case-based evaluations	Neurology, Clinical Medicine
HomUG-PM III.51.04		Shows how	Examination of Motor Neuron Disease (MND).	Demonstrate appropriate clinical examination techniques for MND.	P2/3	Must Know	Practical sessions, supervised clinical rounds	Skill demonstration evaluations	OSCE, skill stations	Neurology, Clinical Skills
HomUG-PM III.51.05		Knows how	Diagnosis of Motor Neuron Disease (MND).	Use appropriate diagnostic tools to confirm MND and exclude other conditions.	C3	Must Know	Diagnostic workshops, problem-solving sessions	Diagnostic tool exercises	Theory exams, case evaluations	Neurology, Pathology

HomUG-PM III.51.06		Knows how	Management of Motor Neuron Disease (MND).	Develop an individualized treatment plan for MND management.	C3	Must Know	Case-based learning, group discussions	Treatment planning tasks	MCQs, theory exams, case discussions	Neurology, Pharmacology
HomUG-PM III.51.07	Homoeopathic orientation	Knows how	Homoeopathic management of MND	Define remedies like: Lathyrus sativus (progressive weakness), Causticum (muscular weakness, paralysis), Plumbum metallicum (muscle atrophy).	C3	Must Know	Homoeopathic remedy-focused sessions, discussions	Remedy selection exercises	MCQs, case-based evaluations	Neurology, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Myasthenia Gravis

HomUG-PM III.52.01	Knowledge and Scholarship	Knows	Definition of Myasthenia Gravis	Define Myasthenia Gravis and distinguish it from other neuromuscular junction disorders.	C2	Must Know	Didactic lectures, group discussions	Recall exercises	MCQs, theory exams	Neurology, Immunology
HomUG-PM III.52.02		Knows how	Pathophysiology of Myasthenia Gravis	Describe the autoimmune mechanisms involved in MG and their effects on muscle function.	C3	Must Know	Interactive lectures, animations	Mechanism mapping	MCQs, short notes	Neurology, Immunology
HomUG-PM III.52.03		Knows how	Clinical Features of Myasthenia Gravis	Recognize the typical signs and symptoms of MG for early diagnosis and management.	C3	Must Know	Case-based discussions, clinical demonstrations	Symptom recognition tasks	OSCE, case evaluations	Neurology, Clinical Medicine

HomUG-PM III.52.04		Shows how	Examination of Myasthenia Gravis	Demonstrate accurate clinical examination techniques for suspected MG.	P2/3	Must Know	Practical sessions, supervised clinical rounds	Skill demonstration evaluations	OSCE, skill stations	Neurology, Clinical Skills
HomUG-PM III.52.05		Knows how	Diagnosis of Myasthenia Gravis	Utilize appropriate diagnostic tools to confirm MG and exclude other conditions.	C3	Must Know	Diagnostic workshops, problem-solving sessions	Diagnostic tool exercises	Theory exams, case evaluations	Neurology, Pathology
HomUG-PM III.52.06		Knows how	Management of Myasthenia Gravis	Plan a pharmacological and supportive care strategy for MG management.	C3	Must Know	Case-based learning, drug-focused discussions	Treatment planning exercises	MCQs, theory exams, case discussions	Neurology, Pharmacology
HomUG-PM III.52.07		Knows how	Surgical management of Myasthenia Gravis	Describe the indications and outcomes of thymectomy in MG patients.	C3	Must Know	Clinical demonstrations, video-based learning	Surgical indications discussions	MCQs, clinical case-based evaluations	Neurology, Surgery
HomUG-PM III.52.08	Homoeopathic orientation	Knows how	Homoeopathic management of MG	Define remedies like: Gelsemium sempervirens (ptosis, muscle weakness), Physostigma (neuromuscular fatigue), Kali phosphoricum (general debility).	C3	Must Know	Homoeopathy-focused discussions, remedy analysis	Remedy selection tasks	MCQs, case-based evaluations	Neurology, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Spinal Muscular Atrophies (SMA)										
HomUG-PM III.53.01	Knowledge and Scholarship	Knows	Definition of Spinal Muscular Atrophy	Define SMA and differentiate it from other neurodegenerative disorders.	C2	Must Know	Didactic lectures, group discussions	Recall exercises	MCQs, theory exams	Neurology, Genetics
HomUG-PM III.53.02		Knows how	Classification of Spinal Muscular Atrophy	Differentiate between the various types of SMA based on clinical presentation and genetics.	C3	Must Know	Interactive discussions, case-based learning	Classification tasks	MCQs, case studies	Neurology, Genetics
HomUG-PM III.53.03		Knows how	Genetics of Spinal Muscular Atrophy.	Explain the molecular genetics and inheritance patterns of SMA.	C3	Must Know	Problem-solving sessions, genetic case studies	Gene-mapping exercises	MCQs, theory exams	Neurology, Genetics
HomUG-PM III.53.04		Knows how	Clinical Features of Spinal Muscular Atrophy	Recognize signs and symptoms for early diagnosis and subtype differentiation.	C3	Must Know	Case-based learning, clinical demonstrations	Symptom recognition tasks	OSCE, case-based evaluations	Neurology, Clinical Medicine
HomUG-PM III.53.05		Shows how	Examination of Spinal Muscular Atrophy	Demonstrate clinical examination techniques specific to SMA.	P2/3	Must Know	Practical sessions, supervised clinical rounds	Skill demonstration evaluations	OSCE, skill stations	Neurology, Paediatrics
HomUG-PM III.53.06		Knows how	Diagnosis of Spinal Muscular Atrophy	Select and interpret appropriate diagnostic tests for SMA.	C3	Must Know	Diagnostic workshops, laboratory-based learning	Diagnostic exercises	Theory exams, case evaluations	Neurology, Pathology
HomUG-PM III.53.07		Knows how	Management of Spinal Muscular Atrophy	Plan a comprehensive management strategy for SMA patients.	C3	Must Know	Interactive lectures, drug-focused discussions	Treatment planning exercises	MCQs, case-based evaluations	Neurology, Pharmacology
HomUG-PM III.53.08	Homoeopathic orientation	Knows how	Homoeopathic management of SMA	Define remedies like: Calcarea phosphorica (delayed motor milestones), Causticum (weakness with	C3	Must Know	Homoeopathy-based discussions,	Remedy selection tasks	MCQs, theory evaluations	Neurology, Homoeopathy

				wasting), Zincum metallicum (twitching and weakness).			remedy analysis			
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Spinal Cord Disorders										
HomUG-PM III.54.01	Knowledge and Scholarship	Knows	Definition of Spinal Cord Disorders	Define spinal cord disorders and differentiate them based on underlying aetiologies.	C2	Must Know	Didactic lectures, group discussions	Recall exercises	MCQs, theory exams	Neurology, Orthopaedics
HomUG-PM III.54.02		Knows how	Classification of Spinal Cord Disorders based on aetiology.	Classify spinal cord disorders with examples and underlying mechanisms.	C3	Must Know	Interactive discussions, case-based learning	Classification tasks	MCQs, case-based evaluations	Neurology, Pathology
HomUG-PM III.54.03		Knows	Anatomy of Spinal Cord.	Explain the structure-function relationships of the spinal cord.	C3	Must Know	Anatomy demonstrations, 3D models	Anatomical identification tasks	MCQs, theory exams	Anatomy, Neurology
HomUG-PM III.54.04		Knows how	Clinical Features of Spinal Cord Disorders	Identify and localize lesions based on clinical presentation.	C3	Must Know	Case-based learning, clinical demonstrations	Symptom recognition tasks	OSCE, case evaluations	Neurology, Clinical Medicine
HomUG-PM III.54.05		Shows how	Examination of motor, sensory, and reflex functions, including upper	Demonstrate examination techniques specific to spinal cord disorders.	P2/3	Must Know	Practical sessions, supervised clinical rounds	Skill demonstration evaluations	OSCE, skill stations	Neurology, Clinical Medicine

			and lower motor neuron signs.							
HomUG-PM III.54.06		Knows how	Diagnostics of Spinal Cord Disorders	Select and interpret diagnostic tests for spinal cord disorders.	C3	Must Know	Diagnostic workshops, imaging-based discussions	Diagnostic test interpretation	Theory exams, case evaluations	Neurology, Radiology
HomUG-PM III.54.07		Knows how	Management of traumatic spinal cord injury	Describe the management approach for spinal cord trauma.	C3	Must Know	Interactive lectures, simulation-based training	Treatment planning exercises	MCQs, case-based evaluations	Neurology, Orthopaedics
HomUG-PM III.54.08		Knows how	Management of Spinal Cord Disorders based on aetiology.	Plan appropriate management strategies for non-traumatic spinal cord disorders.	C3	Must Know	Case discussions, problem-solving sessions	Management exercises	MCQs, case evaluations	Neurology, Pathology
HomUG-PM III.54.09	Homoeopathic orientation	Knows how	Homoeopathic management of spinal cord disorders	Define remedies like: Hypericum perforatum (nerve injury), Arnica montana (trauma), Causticum (weakness with paralysis).	C3	Must Know	Homoeopathy-based discussions, remedy analysis	Remedy selection tasks	Theory evaluations	Neurology, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Intracranial Tumors										

HomUG-PM III.55.01	Knowledge and Scholarship	Knows	Definition of intracranial tumors	Define and classify intracranial tumors.	C2	Must Know	Didactic lectures, group discussions	Recall exercises	MCQs, theory exams	Neurology, Oncology
HomUG-PM III.55.02		Knows how	Classification of intracranial tumors based on histology, location, and grading.	Classify intracranial tumors with examples and histological features.	C3	Must Know	Case-based discussions, histology workshops	Classification exercises	MCQs, case-based evaluations	Neurology, Pathology
HomUG-PM III.55.03		Knows	Pathophysiology of intracranial tumors	Explain the mechanisms by which intracranial tumors affect neurological function.	C3	Must Know	Interactive lectures, problem-solving sessions	Pathophysiology tasks	Theory exams, case evaluations	Neurology, Pathology
HomUG-PM III.55.04		Knows how	Features of intracranial tumors	Recognize symptoms and signs of intracranial tumors.	C3	Must Know	Clinical discussions, case-based learning	Symptom recognition tasks	OSCE, case evaluations	Neurology, Clinical Medicine
HomUG-PM III.55.05		Shows how	Examination findings in intracranial tumors.	Demonstrate neurological examination relevant to intracranial tumors.	P2/3	Must Know	Practical sessions, supervised clinical rounds	Skill demonstration evaluations	OSCE, skill stations	Neurology, Clinical Medicine
HomUG-PM III.55.06		Knows how	Diagnostics of intracranial tumors	Select and interpret diagnostic tests for intracranial tumors.	C3	Must Know	Diagnostic imaging workshops, case discussions	Diagnostic interpretation tasks	MCQs, case evaluations	Neurology, Radiology
HomUG-PM III.55.07		Knows how	Treatment modalities of intracranial tumors	Explain treatment options for different types of intracranial tumors.	C3	Must Know	Interactive lectures, therapy-based discussions	Treatment planning exercises	Theory exams, case-based evaluations	Neurology, Oncology
HomUG-PM III.55.08		Knows	Palliative care for patients with terminal tumors.	Outline the role of palliative care in intracranial tumors.	C3	Desirable to Know	Case studies, palliative care discussions	Care strategy planning exercises	Theory evaluations	Neurology, Palliative Care

HomUG-PM III.55.09	Homoeopathic orientation	Knows how	Homoeopathic remedies for symptoms of tumors	Define remedies like: Hydrastis canadensis (brain tumor-related debility), Conium maculatum (vertigo, headache), Calcarea fluorica (hard masses).	C3	Must Know	Homoeopathy-focused discussions, remedy analysis	Remedy selection tasks	Theory evaluations	Neurology, Homoeopathy
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Spinal Cord Tumors										
HomUG-PM III.56.01	Knowledge and Scholarship	Knows	Definition of spinal cord tumors	Define and classify spinal cord tumors.	C2	Must Know	Didactic lectures, group discussions	Recall exercises	MCQs, theory exams	Neurology, Oncology
HomUG-PM III.56.02		Knows how	Classification of spinal cord tumors	Classify spinal cord tumors with examples and location-based types.	C3	Must Know	Case-based discussions, histology sessions	Classification exercises	MCQs, case-based evaluations	Neurology, Pathology
HomUG-PM III.56.03		Knows	Pathophysiology of spinal cord tumors	Explain the mechanisms by which spinal cord tumors affect the spinal cord and nerves.	C3	Must Know	Interactive lectures, problem-solving sessions	Pathophysiology tasks	Theory exams, case evaluations	Neurology, Pathology
HomUG-PM III.56.04		Knows how	Clinical Features of spinal cord tumors	Recognize symptoms and signs associated with spinal cord tumors.	C3	Must Know	Clinical discussions, case-based learning	Symptom recognition tasks	OSCE, case evaluations	Neurology, Clinical Medicine

HomUG-PM III.56.05		Shows how	Examination findings in spinal cord tumors	Demonstrate neurological examination for suspected spinal cord tumors.	P2/3	Must Know	Practical sessions, supervised clinical rounds	Skill demonstration evaluations	OSCE, skill stations	Neurology, Clinical Medicine
HomUG-PM III.56.06		Knows how	Diagnostics of spinal cord tumors	Select and interpret diagnostic tests for spinal cord tumors.	C3	Must Know	Diagnostic imaging workshops, case discussions	Diagnostic interpretation tasks	MCQs, case evaluations	Neurology, Radiology
HomUG-PM III.56.07		Knows how	Treatment modalities of spinal cord tumors	Explain treatment options for spinal cord tumors.	C3	Must Know	Interactive lectures, therapy-based discussions	Treatment planning exercises	Theory exams, case-based evaluations	Neurology, Oncology
HomUG-PM III.56.08		Knows how	Role of Rehabilitation in spinal cord tumors	Outline the rehabilitation strategies post-treatment of spinal cord tumors.	C3	Desirable to Know	Case discussions, rehab strategy workshops	Rehab strategy planning tasks	Theory evaluations	Neurology, Rehabilitation Medicine
HomUG-PM III.56.09	Homoeopathic orientation	Knows how	Homoeopathic remedies for symptoms of spinal tumors	Select homoeopathic remedies for symptomatic relief in spinal cord tumors.	C3	Must Know	Remedy-focused discussions, homoeopathy workshops	Remedy selection tasks	Theory evaluations	Neurology, Homoeopathy

COMPETENCY TABLES - DISORDERS OF HAEMOPOIETIC SYSTEM

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Approach to disorders of the Haematopoietic system										
HomUG-PM III.57.01	Knowledge and Scholarship	Knows	Disorders of the haematopoietic system	Define and classify blood disorders	C2	Must Know	Didactic lectures, concept mapping	Recall exercises	MCQs, theory exams	Pathology, Internal Medicine
HomUG-PM III.57.02		Knows how	Classification of haematopoietic disorders	Categorize blood disorders by cause and symptoms.	C3	Must Know	Case-based discussions, clinical examples	Classification tasks	Theory exams, case evaluations	Pathology, Haematology
HomUG-PM III.57.03		Knows	Pathophysiology of haematopoietic disorders	Describe mechanisms underlying haematopoietic disorders.	C2	Must Know	Interactive sessions, problem-solving tasks	Pathophysiology explanations	MCQs, theory exams	Pathology
HomUG-PM III.57.04		Knows how	Clinical features of haematopoietic disorders	Identify symptoms and signs of haematopoietic disorders.	C3	Must Know	Clinical case discussions, bedside teaching	Clinical feature recognition tasks	OSCE, case evaluations	Internal Medicine, Paediatrics
HomUG-PM III.57.05		Knows how	Diagnostic evaluation for haematopoietic disorders	Demonstrate steps for diagnosing haematopoietic disorders.	C3	Must Know	Practical sessions, diagnostic workshops	Diagnostic skill evaluations	OSCE, skill stations	Haematology, Pathology

HomUG-PM III.57.06		Knows how	Management of haematopoietic disorders	Explain treatment strategies for various haematopoietic disorders.	C3	Must Know	Therapy-focused discussions, clinical practice	Management exercises	Case-based evaluations	Internal Medicine, Oncology
HomUG-PM III.57.07		Knows how	Prevention and screening for haematopoietic disorders	List ways to prevent or detect blood disorders early.	C3	Must Know	Preventive medicine sessions, group tasks	Prevention strategy planning	Theory exams, OSCE	Community Medicine, Paediatrics
HomUG-PM III.57.08	Homoeopathic orientation	Knows how	Homoeopathic remedies for haematopoietic disorders	Select homoeopathic remedies for symptoms related to haematopoietic disorders.	C3	Must Know	Remedy-specific sessions, homeopathy workshops	Remedy selection tasks	Theory evaluations	Haematology, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Anaemia Introduction and Classification										
HomUG-PM III.58.01	Knowledge and Scholarship	Knows	Definition of anaemia	Define anaemia and describe its clinical significance.	C2	Must Know	Didactic lectures, case examples	Recall tasks, quizzes	MCQs, theory exams	Pathology, Hematopathology
HomUG-PM III.58.02		Knows how	Classification of anaemia	Classify anaemia into morphological types and etiological categories.	C3	Must Know	Concept mapping, group discussions	Classification tasks	Case-based MCQs, exams	Pathology, Internal Medicine

HomUG-PM III.58.03		Knows	Pathophysiology of anaemia	Describe the underlying mechanisms causing anaemia.	C2	Must Know	Problem-based learning sessions	Pathophysiology exercises	Theory exams, case discussions	Hematopathology
HomUG-PM III.58.04		Knows how	Clinical features of anaemia	Identify symptoms and signs associated with anaemia.	C3	Must Know	Clinical discussions, bedside teaching	Clinical observation tasks	OSCE, case presentations	Paediatrics, Internal Medicine
HomUG-PM III.58.05		Knows how	Diagnostic evaluation for anaemia	Demonstrate diagnostic steps for identifying anaemia types.	C3	Must Know	Diagnostic workshops, lab practice	Diagnostic interpretation	OSCE, skill stations	Hematopathology, Pathology

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Iron Deficiency Anaemia										
HomUG-PM III.59.01	Knowledge and Scholarship	Knows	Definition of iron deficiency anaemia	Define iron deficiency anaemia and explain its significance.	C2	Must Know	Didactic lecture, visual aids	Short answer questions	MCQs, theory exams	Pathology, Hematopathology
HomUG-PM III.59.02		Knows how	Risk factors for IDA	Recognize the risk factors and populations at risk for IDA.	C3	Must Know	Group discussions, clinical case studies	Concept map creation	Case-based MCQs, theory exams	Community Medicine, Paediatrics
HomUG-PM III.59.03		Knows how	Clinical manifestations of IDA	Identify and describe symptoms and signs of IDA.	C3	Must Know	Bedside teaching, case discussions	Observation tasks, oral viva	OSCE, clinical case exams	Paediatrics, Internal Medicine

HomUG-PM III.59.04		Knows how	Diagnostic investigations for IDA	Outline diagnostic steps and interpret laboratory findings for IDA.	C3	Must Know	Practical lab sessions, PBL	Lab results interpretation	MCQs, OSCE, skill stations	Hematopathology, Pathology
HomUG-PM III.59.05		Knows how	Management of IDA	Develop a treatment plan for IDA based on severity and aetiology.	C3	Must Know	Interactive discussions, workshops	Treatment plan preparation	Written exams, viva	Internal Medicine, Paediatrics
HomUG-PM III.59.06		Knows how	Preventive strategies for IDA	Outline prevention strategies for IDA in various populations.	C3	Must Know	Community health programs	Presentation on prevention	Essay questions, community project	Community Medicine
HomUG-PM III.59.07	Homoeopathic orientation	Knows how	Role of homoeopathy in managing IDA	Describe homoeopathic principles and commonly used remedies for IDA.	C3	Must Know	Case-based learning, discussions	Remedy differentiation tasks	Viva, case-based written exam	Homoeopathy, Internal Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Megaloblastic Anaemia & Pernicious Anaemia										
HomUG-PM III.60.01	Knowledge and Scholarship	Knows	Definition of megaloblastic anaemia and pernicious anaemia	Define megaloblastic anaemia and pernicious anaemia and explain the difference.	C2	Must Know	Didactic lecture, visual aids	Short answer questions	MCQs, theory exams	Pathology, Hematopathology
HomUG-PM III.60.02		Knows how	Risk factors for megaloblastic anaemia and pernicious anaemia	Recognize the risk factors and populations at risk for megaloblastic anaemia and pernicious anaemia.	C3	Must Know	Group discussions, clinical case studies	Concept map creation	Case-based MCQs, theory exams	Gastroenterology, Geriatrics
HomUG-PM III.60.03		Knows how	Clinical manifestations of megaloblastic anaemia and pernicious anaemia	Identify and describe symptoms and signs of megaloblastic anaemia and pernicious anaemia.	C3	Must Know	Bedside teaching, case discussions	Observation tasks, oral viva	OSCE, clinical case exams	Neurology, Internal Medicine
HomUG-PM III.60.04		Knows how	Diagnostic investigations for megaloblastic anaemia and pernicious anaemia	Outline diagnostic steps and interpret laboratory findings for megaloblastic anaemia and pernicious anaemia.	C3	Must Know	Practical lab sessions, PBL	Lab results interpretation	MCQs, OSCE, skill stations	Hematopathology, Pathology
HomUG-PM III.60.05		Knows how	Management of megaloblastic anaemia and pernicious anaemia	Develop a treatment plan for megaloblastic anaemia and pernicious anaemia based on severity and aetiology.	C3	Must Know	Interactive discussions, workshops	Treatment plan preparation	Written exams, viva	Internal Medicine, Paediatrics
HomUG-PM III.60.06		Knows how	Preventive strategies for megaloblastic	Outline prevention strategies for megaloblastic anaemia and	C3	Must Know	Community health programs	Presentation on prevention	Essay questions,	Community Medicine

			anaemia and pernicious anaemia	pernicious anaemia in high-risk populations.					community project	
HomUG-PM III.60.07	Homoeopathic orientation	Knows how	Role of homoeopathy in managing megaloblastic anaemia and pernicious anaemia	Describe homoeopathic principles and commonly used remedies for megaloblastic anaemia and pernicious anaemia.	C3	Must Know	Case-based learning, discussions	Remedy differentiation tasks	Viva, case-based written exam	Homoeopathy, Internal Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Aplastic Anaemia										
HomUG-PM III.61.01	Knowledge and Scholarship	Knows	Definition of aplastic anaemia and its pathophysiology	Define aplastic anaemia and explain the underlying mechanisms of bone marrow failure.	C2	Must Know	Didactic lecture, case-based discussions	Short answer questions	MCQs, theory exams	Hematopathology, Pathology
HomUG-PM III.61.02		Knows how	Aetiology and risk factors for aplastic anaemia	Recognize the various causes and risk factors for aplastic anaemia.	C3	Must Know	Case studies, clinical discussions	Risk factor analysis tasks	Case-based MCQs, theory exams	Hematopathology, Immunology, Pathology
HomUG-PM III.61.03		Knows how	Clinical manifestations of aplastic anaemia	Identify and describe the signs and symptoms of aplastic anaemia in a clinical context.	C3	Must Know	Bedside teaching, clinical case discussions	Patient presentation assessment	OSCE, clinical case exams	Internal Medicine, Hematopathology
HomUG-PM III.61.04		Knows how	Diagnostic investigations for aplastic anaemia	List and describe the diagnostic tests required to diagnose aplastic anaemia and interpret lab results.	C3	Must Know	Laboratory practical, case-based discussions	Diagnostic result analysis tasks	Lab reports, OSCE, clinical case exams	Hematopathology, Pathology
HomUG-PM III.61.05		Knows how	Management of aplastic anaemia	Formulate a treatment plan for aplastic anaemia, including options for immunosuppressive therapy and stem cell transplant.	C3	Must Know	Case discussions, treatment planning	Treatment planning exercise	Written exams, viva	Hematopathology, Internal Medicine
HomUG-PM III.61.06		Knows how	Prevention and monitoring	Outline prevention and monitoring plans, including	C3	Must Know	Discussion, role-	Preventive strategy creation	Essay questions,	Community Medicine, Hematopathology

			strategies in aplastic anaemia	regular blood tests and infection control strategies.			playing, workshops		community projects	
HomUG-PM III.61.07	Homoeopathic orientation	Knows how	Role of homoeopathy in managing aplastic anaemia	Identify appropriate homoeopathic remedies based on constitutional symptoms and individual patient needs.	C3	Must Know	Case-based learning, remedy selection workshops	Remedy analysis tasks	Viva, case-based written exam	Homoeopathy, Internal Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Hereditary Haemolytic Anaemia: G6PD Deficiency, Sickle cell syndrome										
HomUG-PM III.62.01	Knowledge and Scholarship	Knows	Definition of G6PD deficiency and its pathophysiology	Define G6PD deficiency and describe its underlying molecular and biochemical pathophysiology.	C2	Must Know	Didactic lecture, case-based discussions	Short answer questions	MCQs, theory exams	Hematopathology, Genetics
HomUG-PM III.62.02		Knows how	Triggers and clinical manifestations of G6PD deficiency	Identify and explain the clinical features and triggers of haemolysis in G6PD deficiency.	C3	Must Know	Case studies, clinical discussions	Trigger analysis tasks	Case-based MCQs, theory exams	Internal Medicine, Hematopathology
HomUG-PM III.62.03		Knows	Definition of sickle cell anaemia and its pathophysiology	Define sickle cell anaemia and explain the pathophysiology of sickle-shaped red blood cells and related complications.	C2	Must Know	Didactic lectures, case-based discussions	Short answer questions	MCQs, theory exams	Haematology, Genetics
HomUG-PM III.62.04		Knows how	Clinical features and complications	Identify and describe the clinical manifestations and	C3	Must Know	Bedside teaching, clinical	Patient presentation assessment	OSCE, clinical case exams	Internal Medicine, Hematopathology

			of sickle cell anaemia	complications associated with sickle cell anaemia.			case discussions			
HomUG-PM III.62.05		Knows how	Diagnostic investigations for G6PD deficiency and sickle cell anaemia	List and describe the diagnostic tests used to confirm G6PD deficiency and sickle cell anaemia.	C3	Must Know	Laboratory practical, case-based discussions	Diagnostic result analysis tasks	Lab reports, OSCE, clinical case exams	Hematopathology, Pathology
HomUG-PM III.62.06		Knows how	Management of G6PD deficiency and sickle cell anaemia	Develop a management plan for G6PD deficiency and sickle cell anaemia, including prevention and treatment strategies.	C3	Must Know	Case discussions, treatment planning	Treatment planning exercise	Written exams, viva	Hematopathology, Internal Medicine
HomUG-PM III.62.07	Homoeopathic orientation	Knows how	Role of homoeopathy in managing hereditary haemolytic anaemia	Identify and apply appropriate homoeopathic remedies for hereditary haemolytic anaemia based on patient symptoms.	C3	Must Know	Case-based learning, remedy selection workshops	Remedy selection tasks	OSCE, practical exams	Homoeopathy, Internal Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Acquired Haemolytic Anaemia										
HomUG-PM III.63.01	Knowledge and Scholarship	Knows	Definition of acquired haemolytic anaemia and its types	Define acquired haemolytic anaemia and differentiate it from hereditary haemolytic anaemia.	C2	Must Know	Lecture, group discussion	Short answer questions	MCQs, theory exams	Hematopathology, Immunology
HomUG-PM III.63.02		Knows how	Pathophysiology of blood transfusion reactions	Explain the mechanisms behind transfusion reactions, including ABO incompatibility, haemolysis, and cytokine release.	C3	Must Know	Didactic lecture, case-based discussions	Short answer questions	MCQs, theory exams	Immunology, Hematopathology
HomUG-PM III.63.03		Knows how	Types of acquired haemolytic anaemia	List and describe the various types of acquired haemolytic anaemia (autoimmune, alloimmune, microangiopathic, mechanical) and their clinical features.	C3	Must Know	Case studies, clinical discussions	Case-based problem-solving	MCQs, case study exams	Hematopathology, Immunology
HomUG-PM III.63.04		Knows how	Clinical features and diagnostic tests for acquired haemolytic anaemia	Identify the clinical features and describe the diagnostic tests for different types of acquired haemolytic anaemia.	C3	Must Know	Clinical examination, lab testing	Lab result analysis tasks	OSCE, case-based MCQs	Hematopathology, Pathology
HomUG-PM III.63.05		Knows how	Management of acquired haemolytic	Develop a treatment plan for acquired haemolytic anaemia based on the	C3	Must Know	Case discussions, clinical	Treatment planning exercises	Written exams,	Hematopathology, Internal Medicine

			anaemia, including transfusion reactions	underlying cause (autoimmune, transfusion reaction, etc.).			problem-solving		case study analysis	
HomUG-PM III.63.06		Knows how	Blood transfusion reactions (acute and delayed) and their management	Recognize and manage both acute and delayed blood transfusion reactions.	C3	Desirable to Know	Case studies, clinical simulations	Acute transfusion reaction management exercise	OSCE, viva exams	Hematopathology, Blood Transfusion
HomUG-PM III.63.07	Homoeopathic orientation	Knows how	Role of homoeopathy in managing acquired haemolytic anaemia	Identify and apply appropriate homoeopathic remedies based on the patient's individual symptoms and clinical features of AHA.	C3	Must Know	Case-based learning, remedy selection workshops	Remedy selection tasks	OSCE, practical exams	Homoeopathy, Internal Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Leukaemia: Acute & Chronic: Myeloid

HomUG-PM III.64.01	Knowledge and Scholarship	Knows	Definition leukaemia and the differences between acute and chronic myeloid leukaemia (AML & CML)	Define leukaemia, differentiate between AML and CML based on their clinical, haematological, and molecular features.	C2	Must Know	Lecture, group discussion	Short answer questions	MCQs, theory exams	Hematopathology, Oncology
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HomUG-PM III.64.02		Knows how	Pathophysiology of AML and CML	Explain the pathophysiology of AML and CML, including the role of genetic mutations and abnormal cell proliferation.	C3	Must Know	Didactic lecture, case-based discussions	Short answer questions	MCQs, theory exams	Hematopathology, Genetics
HomUG-PM III.64.03		Knows how	Clinical features and diagnostic tests for AML & CML	List and describe the clinical features of AML and CML and explain the diagnostic tests used.	C3	Must Know	Case studies, clinical examinations	Case-based problem-solving	MCQs, OSCEs, lab tests	Hematopathology, Internal Medicine
HomUG-PM III.64.04		Knows how	Genetic and molecular markers for diagnosing CML	Identify and explain the role of the Philadelphia chromosome in the diagnosis and treatment of CML.	C3	Must Know	Genetic testing, molecular diagnostics	Genetic test interpretation	MCQs, practical exams	Genetics, Oncology
HomUG-PM III.64.05		Knows how	Management of AML and CML, including treatment regimens and stem cell transplant options	Develop a treatment plan for AML and CML based on clinical stage and molecular features.	C3	Desirable to know	Case-based learning, clinical management discussions	Treatment planning exercises	Written exams, case study analysis	Haematology, Oncology
HomUG-PM III.64.06		Knows how	Role of supportive care in the management of AML and CML (e.g., transfusions, infection control)	Identify supportive care strategies for managing complications in AML and CML patients.	C3	Desirable to know	Case-based discussions, role-playing	Supportive care plan preparation	OSCE, practical exams	Haematology, Internal Medicine

HomUG-PM III.64.07	Homoeopathic orientation	Knows how	Role of homoeopathic therapeutics in the management of AML and CML	Identify appropriate homoeopathic remedies for managing symptoms and side effects of AML and CML.	C3	Must Know	Case discussions, remedy selection workshops	Remedy selection tasks	OSCE, practical exams	Homoeopathy, Oncology
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Leukaemia: Acute & Chronic: Lymphoid

HomUG-PM III.65.01	Knowledge and Scholarship	Knows	Definition of leukaemia and the differences between acute and chronic lymphoid leukaemia (ALL & CLL)	Define leukaemia and describe the differences between ALL and CLL in terms of their clinical, haematological, and molecular features.	C2	Must Know	Lecture, case-based discussion	Short answer questions	MCQs, theory exams	Hematopathology, Oncology
HomUG-PM III.65.01		Knows how	Pathophysiology of ALL and CLL	Explain the pathophysiology of ALL and CLL, focusing on the role of abnormal cell proliferation and genetic mutations.	C3	Must Know	Didactic lecture, interactive case studies	Short answer questions	MCQs, theory exams	Hematopathology, Genetics
HomUG-PM III.65.01		Knows how	Clinical features and diagnostic tests for ALL & CLL	List the clinical features of ALL and CLL and describe diagnostic tests.	C3	Must Know	Case-based learning, clinical examination	Case discussion & symptom-based queries	MCQs, practical exams	Hematopathology, Internal Medicine

HomUG-PM III.65.01		Knows how	Genetic and molecular markers for diagnosing ALL & CLL	Identify key genetic markers and explain their role in the diagnosis and prognosis of ALL and CLL.	C3	Must Know	Genetic testing, molecular diagnostics	Genetic test interpretation and analysis	MCQs, practical exams	Genetics, Haematology
HomUG-PM III.65.01		Knows how	Management of ALL and CLL, including chemotherapy, immunotherapy, and stem cell transplant options	Develop treatment strategies for ALL and CLL based on clinical stage and molecular characteristics.	C3	Desirable to know	Case studies, therapeutic planning, discussion	Treatment strategy analysis and planning	Written exams, clinical case evaluation	Haematology, Oncology
HomUG-PM III.65.01		Knows how	Role of supportive care in the management of ALL and CLL	Identify and discuss the importance of supportive care in managing ALL and CLL patients.	C3	Desirable to know	Case-based discussions, role-playing	Supportive care management plan	OSCE, practical exams	Haematology, Internal Medicine
HomUG-PM III.65.01	Homoeopathic orientation	Knows how	Role of homoeopathic therapeutics in the management of ALL and CLL	Define remedies like: Phosphorus, Carcinoin, Arsenicum album. Used for improving overall strength, addressing fatigue, and managing the side effects of chemotherapy.	C3	Must Know	Case-based discussions, remedy selection workshops	Remedy selection exercises	OSCE, viva exams	Homoeopathy, Oncology

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Lymphomas: Hodgkin's										

HomUG-PM III.66.01	Knowledge and Scholarship	Knows	Definition of Hodgkin's lymphoma (HL) and its differences from non-Hodgkin's lymphoma (NHL)	Define Hodgkin's lymphoma and describe the key differences between Hodgkin's and non-Hodgkin's lymphoma.	C2	Must Know	Lecture, case-based discussion	Short answer questions	MCQs, theory exams	Hematopathology, Oncology
HomUG-PM III.66.02		Knows how	Pathophysiology of Hodgkin's lymphoma (HL)	Explain the pathophysiology of Hodgkin's lymphoma, focusing on the role of Reed-Sternberg cells and cytokine release.	C3	Must Know	Didactic lecture, interactive case studies	Short answer questions	MCQs, theory exams	Hematopathology, Genetics
HomUG-PM III.66.03		Knows how	Clinical features and diagnostic tests for Hodgkin's lymphoma	List the clinical features of Hodgkin's lymphoma and describe the diagnostic tests used for diagnosis.	C3	Must Know	Case-based learning, clinical examination	Case discussion and symptom-based queries	MCQs, practical exams	Hematopathology, Internal Medicine
HomUG-PM III.66.04		Knows how	Role of staging in Hodgkin's lymphoma	Describe the Ann Arbor staging system and its relevance in the prognosis and management of Hodgkin's lymphoma.	C3	Must Know	Lecture, clinical case discussions	Case-based staging exercises	MCQs, practical exams	Hematopathology, Oncology
HomUG-PM III.66.05		Knows how	Management of Hodgkin's lymphoma, including chemotherapy	Develop a treatment plan for Hodgkin's lymphoma based on clinical stage, histological subtype, and patient factors.	C3	Desirable to know	Case-based learning, treatment planning	Treatment planning exercises	Written exams, clinical case evaluation	Haematology, Oncology
HomUG-PM III.66.06		Knows how	Role of supportive care in Hodgkin's lymphoma management	Identify and discuss the role of supportive care in managing Hodgkin's lymphoma patients during and after treatment. (e.g., infection control, pain management)	C3	Desirable to know	Case-based discussions, role-playing	Supportive care plan analysis	OSCE, practical exams	Haematology, Internal Medicine

HomUG-PM III.66.07		Knows how	Prognosis of Hodgkin's lymphoma, including long-term complications	Describe the prognosis of Hodgkin's lymphoma and the long-term complications that may arise post-treatment.	C3	Must Know	Lecture, case-based discussion	Short answer questions	MCQs, theory exams	Haematology, Oncology
HomUG-PM III.66.08	Homoeopathic orientation	Knows how	Role of homoeopathic therapeutics in the supportive management of Hodgkin's lymphoma	Define remedies like: Arsenicum album , Phosphorus , Sulphur , Lycopodium . Used to help manage side effects of chemotherapy, support immune function, and relieve anxiety and fatigue.	C3	Must Know	Case-based discussions, remedy selection workshops	Remedy selection exercises	OSCE, viva exams	Homoeopathy, Haematology

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Lymphomas: Non-Hodgkin's										
HomUG-PM III.67.01	Knowledge and Scholarship	Knows	Definition of non-Hodgkin's lymphoma (NHL) and its differences from Hodgkin's lymphoma (HL)	Define NHL and describe the key differences from Hodgkin's lymphoma.	C2	Must Know	Lecture, discussion	Short answer questions	MCQs, theory exams	Hematopathology, Oncology
HomUG-PM III.67.02		Knows how	Pathophysiology of NHL	Explain the pathophysiology of NHL, emphasizing the role of genetic mutations and environmental triggers.	C3	Must Know	Case studies, didactic lectures	Case-based discussion	MCQs, practical exams	Hematopathology, Immunology

HomUG-PM III.67.03		Knows how	Clinical features of NHL, including lymphadenopathy, extranodal involvement, and B symptoms	List the clinical features of NHL and identify any extranodal involvement.	C3	Must Know	Clinical case discussions, clinical examination	Clinical scenario analysis	MCQs, practical exams	Haematology, Internal Medicine
HomUG-PM III.67.04		Knows how	Classification of NHL (e.g., indolent vs. aggressive lymphomas) and the role of histological subtypes	Describe the classification of NHL and explain the relevance of histological subtypes in management and prognosis.	C3	Must Know	Didactic lecture, case-based learning	Case discussions, quizzes	MCQs, theory exams	Haematology, Pathology
HomUG-PM III.67.05		Knows how	Role of staging in NHL and its impact on prognosis and treatment	Explain the role of staging systems in NHL and their impact on treatment decisions.	C3	Must Know	Lecture, case-based learning	Staging exercises, role-play	MCQs, OSCE	Haematology, Oncology
HomUG-PM III.67.06		Knows how	Management of NHL, including chemotherapy, radiation, immunotherapy, and stem cell transplant	Develop a treatment plan for NHL based on clinical stage, subtype, and patient factors.	C3	Desirable to know	Case-based learning, treatment planning	Treatment plan exercises	Written exams, clinical case evaluation	Haematology, Oncology
HomUG-PM III.67.07		Knows how	Role of supportive care in NHL treatment	Identify the key aspects of supportive care in managing NHL patients during and after treatment.	C3	Desirable to know	Case-based discussions, role-playing	Supportive care plan exercises	OSCE, practical exams	Haematology, Internal Medicine
HomUG-PM III.67.08		Knows how	Prognosis of NHL, including the factors that influence survival	Discuss the prognosis of NHL and explain the factors that influence survival outcomes.	C3	Must Know	Lecture, clinical case discussions	Prognosis assessment exercises	MCQs, theory exams	Haematology, Oncology

HomUG-PM III.67.09	Homoeopathic orientation	Knows how	Role of homoeopathy in the supportive management of NHL	Define remedies like Arsenicum album , Phosphorus , Calcarea carbonica , and Lycopodium can be used to manage chemotherapy side effects, fatigue, and mental stress.	C3	Must Know	Case-based discussions, remedy selection workshops	Remedy selection exercises	OSCE, viva exams	Homoeopathy, Haematology
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Disorders due to deficiency of Clotting factors: Haemophilia										
HomUG-PM III.68.01	Knowledge and Scholarship	Knows	Definition of Haemophilia and types of Haemophilia	Define Haemophilia and explain the types (A, B, C) along with their differences in pathophysiology.	C2	Must Know	Lecture, didactic teaching	Short answer questions	MCQs, theory exams	Hematopathology, Genetics
HomUG-PM III.68.02		Knows how	Pathophysiology of Haemophilia and its impact on blood clotting	Explain how deficiencies in specific clotting factors affect the clotting cascade and lead to prolonged bleeding episodes.	C3	Must Know	Case studies, lectures	Case-based discussions	MCQs, written exams	Hematopathology, Physiology
HomUG-PM III.68.03		Knows how	Clinical manifestations of Haemophilia	Identify and describe the common clinical symptoms associated with Haemophilia.	C3	Must Know	Case-based learning, clinical observation	Clinical scenario analysis	MCQs, practical exams	Internal Medicine, Haematology

HomUG-PM III.68.04		Knows how	Diagnostic methods for Haemophilia, including laboratory tests	Describe the diagnostic steps for Haemophilia and explain the laboratory results that confirm the diagnosis.	C3	Must Know	Lecture, practical sessions	Diagnostic test interpretation	MCQs, theory exams	Haematology, Laboratory Medicine
HomUG-PM III.68.05		Knows how	Management of Haemophilia, including supportive care	Explain the treatment modalities for Haemophilia and outline the use of factor replacement therapy.	C3	Must Know	Case-based learning, role-play	Treatment plan exercises	Written exams, clinical evaluations	Haematology, Internal Medicine
HomUG-PM III.68.06		Knows how	Role of gene therapy and newer treatments in Haemophilia	Discuss the advancements in gene therapy and their potential role in treating Haemophilia.	C3	Desirable to know	Case studies, group discussions	Recent advances in treatment discussion	MCQs, OSCE exams	Genetics, Haematology
HomUG-PM III.68.07		Knows how	Complications of Haemophilia	Identify and manage common complications in Haemophilia patients, including joint damage and inhibitors to factor replacement therapy.	C3	Must Know	Case discussions, clinical observation	Complication management exercises	OSCE, viva exams	Haematology, Internal Medicine
HomUG-PM III.68.08		Knows how	Role of supportive care	Develop a comprehensive care plan including pain management, rehabilitation, and psychosocial support for Haemophilia patients.	C3	Desirable to know	Case-based learning, role-playing	Supportive care plan exercises	OSCE, practical exams	Internal Medicine, Haematology
HomUG-PM III.68.09		Knows how	Principles of Haemophilia management in children and special populations	Identify the unique management strategies for children and pregnant women with Haemophilia.	C3	Desirable to know	Case studies, discussions	Case scenario analysis	Written exams, clinical evaluations	Paediatrics, Obstetrics, Haematology
HomUG-PM III.68.10	Homoeopathic orientation	Knows how	Role of homoeopathic therapeutics in managing	Define remedies such as Phosphorus , Arnica montana , Carbo vegetabilis , and Calcarea fluorica used to manage bruising, bleeding, and	C3	Desirable to know	Case discussions, remedy workshops	Remedy selection exercises	OSCE, viva exams	Homoeopathy, Haematology

			Haemophilia symptoms	joint discomfort in Haemophilia patients.						
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Disseminated Intravascular Coagulation (DIC)										
HomUG-PM III.69.01	Knowledge and Scholarship	Knows	Definition of Disseminated Intravascular Coagulation (DIC) and its causes	Define DIC, explain its pathophysiology, and identify common underlying causes (e.g., sepsis, trauma, cancer).	C2	Must Know	Lecture, didactic teaching	Short answer questions	MCQs, theory exams	Hematopathology, Pathophysiology
HomUG-PM III.69.02		Knows how	Pathophysiology of DIC	Describe how the coagulation cascade is activated in DIC and explain the imbalance between clot formation and dissolution.	C3	Must Know	Case-based learning, diagrams	Case discussions	MCQs, written exams	Hematopathology, Pathophysiology
HomUG-PM III.69.03		Knows how	Clinical features of DIC	Identify and describe the clinical manifestations of DIC and the organ systems commonly involved.	C3	Must Know	Clinical observation, lectures	Clinical case interpretation	OSCE, viva exams	Internal Medicine, Haematology
HomUG-PM III.69.04		Knows how	Diagnostic tests used to confirm DIC	Explain how each laboratory test is used to assess the presence and severity of DIC.	C3	Must Know	Lecture, case-based learning	Diagnostic test interpretation	MCQs, practical exams	Haematology, Laboratory Medicine
HomUG-PM III.69.05		Knows how	Management strategies for DIC	Describe how to manage DIC, including the use of blood products, treatment of the	C3	Desirable to know	Case studies, clinical observation	Management plan exercises	Written exams,	Internal Medicine, Haematology

				underlying cause, and other interventions.					clinical evaluations	
HomUG-PM III.69.06		Knows how	Complications of DIC, including multi-organ failure and bleeding complications	Identify complications and discuss their management in patients with DIC.	C3	Must Know	Case-based learning, clinical discussion	Complication management exercises	OSCE, viva exams	Internal Medicine, Haematology
HomUG-PM III.69.07	Homoeopathic orientation	Knows how	Role of homoeopathic therapeutics in managing symptoms of DIC	Identify and apply homoeopathic remedies for managing bleeding tendencies, bruising, and the related symptoms in DIC.	C3	Must Know	Case discussions, remedy workshops	Remedy selection exercises	OSCE, viva exams	Homoeopathy, Haematology
HomUG-PM III.69.08	Knowledge and Scholarship	Knows how	Prevention strategies for DIC in at-risk populations	Discuss prevention strategies and identify high-risk populations for DIC.	C3	Desirable to know	Case-based learning, lecture	Risk assessment exercises	MCQs, practical exams	Internal Medicine, Haematology
HomUG-PM III.69.09		Knows how	DIC management with the treatment of associated disorders, such as sepsis and malignancy	Explain the integrated management approach for patients with DIC and its underlying causes.	C3	Desirable to know	Case studies, multi-disciplinary team discussions	Integrated management case discussions	OSCE, viva exams	Haematology, Internal Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Platelet Disorders: Immune Thrombocytopenic Purpura [ITP]

HomUG-PM III.70.01	Knowledge and Scholarship	Knows	Definition of Immune Thrombocytopenic Purpura (ITP) and its types	Define ITP, its pathophysiology, and the difference between acute and chronic ITP.	C2	Must Know	Lecture, didactic teaching	Short answer questions	MCQs, theory exams	Hematopathology, Immunology
HomUG-PM III.70.02		Knows how	Pathophysiology of ITP	Explain the process of platelet destruction in ITP and the role of autoimmune antibodies in the pathophysiology.	C3	Must Know	Case-based learning, diagrams	Case discussions	MCQs, practical exams	Hematopathology, Immunology
HomUG-PM III.70.03		Knows how	Clinical features of ITP	Identify and describe the clinical features of ITP, including bleeding tendencies and signs of platelet deficiency.	C3	Must Know	Clinical observation, lectures	Clinical case interpretation	OSCE, viva exams	Haematology, Internal Medicine
HomUG-PM III.70.04		Knows how	Diagnostic tests used to confirm ITP	Describe how diagnostic tests are used to confirm ITP, including the role of platelet count and antibody testing.	C3	Must Know	Lecture, case-based learning	Diagnostic test interpretation	MCQs, practical exams	Haematology, Laboratory Medicine
HomUG-PM III.70.05		Knows how	Management strategies for ITP	Describe and explain the standard treatments for ITP, including corticosteroids, IVIg, and splenectomy.	C3	Desirable to know	Case studies, clinical observation	Management plan exercises	Written exams, clinical evaluations	Internal Medicine, Haematology
HomUG-PM III.70.06		Knows how	Indications for treatment in ITP	Recognize when to initiate treatment based on platelet count and clinical bleeding signs.	C3	Must Know	Case-based learning, lectures	Case-based management discussion	OSCE, viva exams	Haematology, Internal Medicine
HomUG-PM III.70.07	Homoeopathic orientation	Knows how	Role of homoeopathic therapeutics in managing ITP symptoms	Identify and apply homoeopathic remedies for managing bleeding, bruising, and weakness in ITP patients.	C3	Must Know	Case-based learning, remedy workshops	Remedy selection exercises	OSCE, viva exams	Homoeopathy, Haematology

HomUG-PM III.70.08	Knowledge and Scholarship	Knows how	Prevention strategies for ITP-related bleeding	Discuss prevention strategies for bleeding and infections in ITP patients.	C3	Desirable to know	Lecture, discussion	Risk assessment exercises	MCQs, practical exams	Internal Medicine, Haematology
HomUG-PM III.70.09		Knows how	Management of ITP with the treatment of associated disorders	Explain how the management of ITP is integrated with treatment for associated conditions like autoimmune disorders.	C3	Desirable to know	Case studies, multi-disciplinary team discussions	Integrated management case discussions	OSCE, viva exams	Haematology, Internal Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/Knows	Content	SLO	Blooms Domain / Guilbert's Level	Priority - Must Know/Desirable to know/nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Platelet Disorders: Thrombocytosis

HomUG-PM III.71.01	Knowledge and Scholarship	Knows	Definition of thrombocytosis and the differences between primary and secondary types	Define thrombocytosis and explain the differences between primary and secondary thrombocytosis.	C2	Must Know	Lecture, didactic teaching	Short answer questions	MCQs, theory exams	Hematopathology, Internal Medicine
HomUG-PM III.71.02		Knows how	Aetiology of thrombocytosis	Identify the causes of thrombocytosis and discuss their pathophysiology.	C3	Must Know	Case-based learning, diagrams	Case discussions	MCQs, practical exams	Hematopathology, Internal Medicine
HomUG-PM III.71.03		Knows how	Clinical features of thrombocytosis	Describe the clinical manifestations of thrombocytosis and the potential complications.	C3	Must Know	Clinical observation, lectures	Clinical case interpretation	OSCE, viva exams	Haematology, Internal Medicine

HomU G-PM III.71.0 4		Knows how	Diagnostic tests for thrombocytosis	Describe and explain the diagnostic process for thrombocytosis, including the necessary laboratory tests.	C3	Must Know	Lecture, case-based learning	Diagnostic test interpretation	MCQs, practical exams	Haematology, Laboratory Medicine
HomU G-PM III.71.0 5		Knows how	Treatment options for thrombocytosis	Explain the treatment strategy for thrombocytosis based on its type and underlying cause.	C3	Desirable to know	Case studies, clinical observation	Management plan exercises	Written exams, clinical evaluations	Haematology, Internal Medicine
HomU G-PM III.71.0 6	Homoeopathic orientation	Knows how	Homoeopathic remedies that can help in the management of thrombocytosis symptoms	Apply homoeopathic remedies for thrombocytosis, focusing on managing bleeding and clotting tendencies.	C3	Desirable to know	Case-based learning, remedy workshops	Remedy selection exercises	OSCE, viva exams	Homoeopathy, Haematology

Platelet Disorders: Thrombasthenia

Sl. No.	Competency	Miller's Level	Content	SLO	Bloom's Domain	Guilbert's Level	T-L Methods	Formative Assessment	Summative Assessment	Integration
HomU G-PM III.71.0 7	Knowledge and Scholarship	Knows	Definition of thrombasthenia and its types	Define thrombasthenia and differentiate between the inherited and acquired forms of the disorder.	C2	Must Know	Lecture, didactic teaching	Short answer questions	MCQs, theory exams	Hematopathology, Internal Medicine
HomU G-PM III.71.0 8		Knows how	Pathophysiology of thrombasthenia, including defects in platelet aggregation	Explain the pathophysiology of thrombasthenia, particularly how platelet aggregation is affected.	C3	Must Know	Case-based learning, diagrams	Case discussions	MCQs, practical exams	Hematopathology, Immunology
HomU G-PM III.71.0 9		Knows how	Clinical features of thrombasthenia	Describe the clinical features of thrombasthenia and the mechanisms behind its bleeding manifestations.	C3	Must Know	Clinical observation, lectures	Clinical case interpretation	OSCE, viva exams	Haematology, Internal Medicine

HomU G-PM III.71.1 0		Knows how	Diagnostic tests for thrombasthenia	Describe and explain the role of platelet function tests in diagnosing thrombasthenia.	C3	Must Know	Lecture, case-based learning	Diagnostic test interpretation	MCQs, practical exams	Haematology, Laboratory Medicine
HomU G-PM III.71.1 1		Knows how	Management strategies for thrombasthenia	Discuss treatment options for thrombasthenia, including management of acute bleeding episodes and long-term management.	C3	Desirable to know	Case studies, clinical observation	Management plan exercises	Written exams, clinical evaluations	Haematology, Internal Medicine
HomU G-PM III.71.1 2	Homoeopathic orientation	Knows how	Homoeopathic remedies to help manage symptoms of thrombasthenia	Describe remedies like Carbo Veg, Phosphorus, and Aconite can be considered for managing bleeding tendencies, especially in thrombasthenia.	C3	Must Know	Case-based learning, remedy workshops	Remedy selection exercises	OSCE, viva exams	Homoeopathy, Haematology

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Von Willebrand diseases (VWD)										
HomUG-PM III.72.01	Knowledge and Scholarship	Knows	Definition of Von Willebrand Disease and its classification	Define VWD and classify it into its three types based on severity and VWF function.	C2	Must Know	Lecture, didactic teaching	Short answer questions	MCQs, theory exams	Hematopathology, Internal Medicine
HomUG-PM III.72.02		Knows how	Pathophysiology of Von Willebrand Disease	Describe the pathophysiology of VWD and explain how it leads to bleeding tendencies.	C3	Must Know	Case-based learning, diagrams	Case discussions	MCQs, practical exams	Hematopathology, Internal Medicine

HomUG-PM III.72.03		Knows how	Clinical features of Von Willebrand Disease	Describe the clinical features of VWD and recognize common symptoms like bruising, prolonged bleeding, and mucosal haemorrhage.	C3	Must Know	Clinical observation, lectures	Clinical case interpretation	OSCE, viva exams	Haematology, Internal Medicine
HomUG-PM III.72.04		Knows how	Diagnostic tests for Von Willebrand Disease	Describe the diagnostic tests used for VWD, explaining the significance of each test.	C3	Must Know	Lecture, case-based learning	Diagnostic test interpretation	MCQs, practical exams	Haematology, Laboratory Medicine
HomUG-PM III.72.05		Knows how	Management strategies for VWD	Explain the treatment options for VWD, focusing on the management of bleeding episodes and long-term prophylaxis.	C3	Desirable to know	Case studies, clinical observation	Management plan exercises	Written exams, clinical evaluations	Haematology, Internal Medicine
HomUG-PM III.72.06	Homoeopathic orientation	Knows how	Homoeopathic remedies in the management of symptoms of VWD	Homoeopathic remedies such as Phosphorus , Carbo Veg , China officinalis , and Natrum Muriaticum are considered for treating bleeding tendencies in VWD patients.	C3	Must Know	Case-based learning, remedy workshops	Remedy selection exercises	OSCE, viva exams	Homoeopathy, Haematology

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Plasma cell disorder: Multiple Myelomas										
HomUG-PM III.73.01	Knowledge and Scholarship	Knows	Definition of Multiple Myeloma and	Define Multiple Myeloma and explain its pathophysiology, including	C2	Must Know	Lecture, didactic teaching	Short answer questions	MCQs, theory exams	Hematopathology, Oncology

			describe its pathophysiology	the role of abnormal plasma cells in the disease.						
HomUG-PM III.73.02		Knows how	Clinical features of Multiple Myeloma	Describe the common symptoms and signs associated with Multiple Myeloma, including skeletal and systemic manifestations.	C3	Must Know	Case-based learning, clinical cases	Case discussions	MCQs, practical exams	Haematology, Internal Medicine
HomUG-PM III.73.03		Knows how	Diagnostic criteria for Multiple Myeloma	Identify the key diagnostic tests and criteria for confirming Multiple Myeloma.	C3	Must Know	Lecture, clinical demonstration	Interpretation of diagnostic tests	MCQs, practical exams	Hematopathology, Oncology
HomUG-PM III.73.04		Knows how	Staging of Multiple Myeloma	Describe the stages of Multiple Myeloma and explain the significance of prognostic factors such as cytogenetics.	C3	Must Know	Lecture, clinical demonstration	Case-based discussions	MCQs, viva exams	Hematopathology, Oncology
HomUG-PM III.73.05		Knows how	Management strategies for Multiple Myeloma	Discuss the treatment options for Multiple Myeloma and explain their role in disease management and remission induction.	C3	Must Know	Case studies, clinical demonstration	Treatment plan creation	MCQs, practical exams	Haematology, Oncology
HomUG-PM III.73.06		Knows how	Complications of Multiple Myeloma	Describe common complications of Multiple Myeloma and explain their pathophysiology.	C3	Must Know	Case-based learning, clinical observation	Identification of complications	MCQs, OSCE, practical exams	Haematology, Internal Medicine
HomUG-PM III.73.07	Homoeopathic orientation	Knows how	Homoeopathic remedies for the management of symptoms in Multiple Myeloma	Describe remedies such as Arsenicum Album , Phosphorus , Rhododendron , and Calcarea Fluorica that can be used to address symptoms of weakness,	C3	Desirable to know	Case-based learning, practical exercises	Remedy selection exercises	OSCE, viva exams	Homoeopathy, Haematology

				bone pain, and fatigue in MM patients.						
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Polycythaemia Vera

HomUG-PM III.74.01	Knowledge and Scholarship	Knows	Definition of Polycythaemia Vera and its pathophysiology	Define Polycythaemia Vera and explain its pathophysiology, including the role of the JAK2 mutation in increased erythropoiesis.	C2	Must Know	Lecture, didactic teaching	Short answer questions	MCQs, theory exams	Hematopathology, Internal Medicine
HomUG-PM III.74.02		Knows how	Clinical features of Polycythaemia Vera	Describe the clinical features associated with Polycythaemia Vera	C3	Must Know	Case-based learning, clinical cases	Case discussions	MCQs, practical exams	Haematology, Internal Medicine
HomUG-PM III.74.03		Knows how	Diagnostic criteria of Polycythaemia Vera	Identify the key diagnostic tests and criteria for confirming Polycythaemia Vera.	C3	Must Know	Lecture, clinical demonstration	Interpretation of diagnostic tests	MCQs, practical exams	Hematopathology, Internal Medicine
HomUG-PM III.74.04		Knows how	Complications of Polycythaemia Vera	Describe the complications of Polycythaemia Vera and explain their underlying mechanisms.	C3	Must Know	Case-based learning, clinical observation	Identification of complications	MCQs, OSCE, practical exams	Haematology, Internal Medicine
HomUG-PM III.74.05		Knows how	Treatment options for	Discuss the role of phlebotomy, hydroxyurea, and JAK2 inhibitors in the	C3	Desirable to know	Case studies, clinical demonstration	Treatment plan creation	MCQs, practical exams	Haematology, Oncology, Internal Medicine

			Polycythaemia Vera	management of Polycythaemia Vera.						
HomUG-PM III.74.06	Homoeopathic orientation	Knows how	Homoeopathic remedies for the management of symptoms in Polycythaemia Vera	Describe the remedies such as Belladonna, Nux Vomica, Arsenicum Album, and Sulphur can be used for symptom management in PV.	C3	Must Know	Case-based learning, practical exercises	Remedy selection exercises	OSCE, viva exams	Homoeopathy, Haematology

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/Knows	Content	SLO	Blooms Domain / Guilbert's Level	Priority - Must Know/Desirable to know/nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Approach to a patient with Splenomegaly and Hypersplenism										
HomUG-PM III.75.01	Knowledge and Scholarship	Knows	Definition of splenomegaly and its causes	Define splenomegaly and list the causes, including infections, hematologic disorders, and malignancies.	C2	Must Know	Lecture, didactic teaching	Short answer questions	MCQs, theory exams	Hematopathology, Internal Medicine Surgery
HomUG-PM III.75.02		Knows how	Common diseases that cause splenomegaly	Describe the diseases associated with splenomegaly and explain their pathophysiology.	C3	Must Know	Case-based learning, clinical cases	Case discussions	MCQs, practical exams	Hematopathology, Infectious Diseases Surgery
HomUG-PM III.75.03		Shows how	Clinical examination of a patient with splenomegaly	Perform a clinical examination to assess splenomegaly and identify associated features like	P2/3	Must Know	Clinical skills, bedside teaching	Practical demonstration	OSCE, clinical examination	Surgery, Internal Medicine

				tenderness or signs of hypersplenism.						
HomU G-PM III.75.0 4		Knows how	Diagnostic approach to splenomegaly	Describe the diagnostic workup for splenomegaly and explain the role of laboratory and imaging studies in diagnosis.	C3	Must Know	Case studies, diagnostic reasoning	Interpretation of diagnostic tests	MCQs, diagnostic tests Viva	Surgery, Internal Medicine, Radiology
HomU G-PM III.75.0 5		Knows how	Treatment options for diseases associated with splenomegaly	Outline treatment strategies for managing splenomegaly based on the underlying disease (e.g., infection, hematologic disorder).	C3	Must Know	Case-based learning, clinical management	Case discussions and treatment planning	MCQs, case-based assessments	Internal Medicine, Oncology
HomU G-PM III.75.0 6		Knows	Definition of hypersplenism and its causes	Define hypersplenism and explain the causes, including infection, hematologic disorders, and liver disease.	C2	Must Know	Lecture, didactic teaching	Short answer questions	MCQs, theory exams	Hematopathology, Internal Medicine Surgery
HomU G-PM III.75.0 7		Knows how	Clinical signs of hypersplenism	Describe the clinical manifestations of hypersplenism and understand the significance of these findings.	C3	Must Know	Case-based learning, clinical observation	Case discussions and symptom identification	MCQs, clinical case assessment	Surgery, Internal Medicine
HomU G-PM III.75.0 8		Knows how	Management of hypersplenism	Discuss the management strategies for hypersplenism, including surgical and medical treatments.	C3	Must Know	Case studies, clinical management	Treatment planning and justification	MCQs, practical exams	Surgery, Internal Medicine
HomU G-PM III.75.0 9	Homoeopathic orientation	Shows how	Role of homeopathy in managing symptoms associated with	Homoeopathic remedies such as Cinchona officinalis , Arsenicum Album , Carduus marianus , and Mercurius	C3	Desirable to know	Case-based learning, remedy selection workshop	Remedy selection exercises	OSCE, viva exams	Homoeopathy, Haematology

			splenomegaly and hypersplenism	solubilis can be used for symptom management.						
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COMPETENCY TABLES - PSYCHIATRIC DISORDERS

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/Knows	Content	SLO	Blooms Domain / Guilbert's Level	Priority - Must Know/Desirable to know/nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Approach to Mental Disorder										
HomU G-PM III.76.0 1	Knowledge and Scholarship	Knows	Mental Disorders: Definition & Classification	(a) Define mental disorders (b) Classify them using DSM-5 or ICD-10 criteria.	C2	Must Know	Lecture, didactic teaching	Short answer questions	MCQs, theory exams	Psychiatry, Psychology
HomU G-PM III.76.0 2		Knows how	Signs & Symptoms of Mental Disorders	Identify and describe common signs and symptoms (affective, psychotic, etc.).	C3	Must Know	Case-based learning, clinical cases	Case discussions	MCQs, practical exams	Psychiatry, Internal Medicine
HomU G-PM III.76.0 3		Shows how	Psychiatric History & Mental Status Exam (MSE)	(a) Conduct a psychiatric history (b) Perform an MSE to assess mental health.	P2/3	Must Know	Clinical skills, bedside teaching	Practical demonstration	OSCE, clinical examination	Psychiatry, Psychology
HomU G-PM		Knows how	Diagnostic Approach & Tools	Apply standardized diagnostic criteria and tools to evaluate mental disorders.	C3	Must Know	Case studies, diagnostic reasoning	Interpretation of	MCQs, diagnostic tests	Psychiatry, Psychology

III.76.04								diagnostic tools	interpretation	
HomU G-PM III.76.05		Knows how	Management of Mental Disorders	Compare pharmacological and non-pharmacological (CBT, psycho-education, mindfulness) treatments.	C3	Must Know	Case-based learning, therapy workshops	Treatment planning exercises	MCQs, case-based assessments	Psychiatry, Pharmacology
HomU G-PM III.76.06		Knows how	Psychiatric Emergencies	Manage psychiatric emergencies (suicide, psychosis) using appropriate interventions.	C3	Must Know	Case studies, emergency simulations	Role-playing exercises	Practical exams, viva	Psychiatry, Emergency Medicine
HomU G-PM III.76.07		Knows	Stigma & Cultural Factors	Explain how stigma and cultural factors influence mental health care.	C3	Must Know	Group discussions, lectures	Reflection exercises	Essay questions, theory exams	Psychiatry, Sociology
HomU G-PM III.76.08	Homoeopathic orientation	Knows how	Homoeopathy in Mental Health	Select homoeopathic remedies based on symptom presentations.	C3	Must Know	Case-based learning, remedy selection workshop	Remedy selection exercises	OSCE, viva exams	Homoeopathy, Psychiatry
HomU G-PM III.76.09		Knows how	Homoeopathic Remedies for Symptoms	Apply homoeopathic treatments for anxiety, depression, and insomnia.	C3	Must Know	Practical exercises, remedy workshops	Remedy selection and symptom management	Written exams, clinical evaluations	Homoeopathy, Psychiatry
HomU G-PM III.76.10	Knowledge and Scholarship	Knows how	Patient & Caregiver Counselling	Counsel patients and caregivers on mental health awareness and management.	C3	Desirable to know	Role-playing, communication workshops	Counseling simulation exercises	OSCE, viva exams	Psychiatry, Psychology

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Mood Disorders: Major Depressive Episode & Major Depressive Disorder (MDD)										
HomUG-PM III.77.01	Knowledge and Scholarship	Knows	Definitions, prevalence, and impact	Define MDD and its key features	C2	Must Know	Lecture, discussion	MCQs, SAQs	Written test, viva	Psychiatry, Medicine
HomUG-PM III.77.02		Knows	Biological, psychosocial, and medical causes	Identify neurotransmitter imbalances, genetic factors, and environmental triggers	C2	Must Know	Interactive lecture, case discussion	MCQs, concept maps	Case-based questions, viva	Psychiatry, Pathology
HomUG-PM III.77.03		Knows how	Emotional, cognitive, and physical symptoms	Describe symptoms such as depressed mood, anhedonia, sleep changes, and fatigue	C3	Must Know	Role-play, video demonstration	Observation, peer feedback	OSCE, SAQs	Psychiatry, Psychology
HomUG-PM III.77.04		Knows how	Key diagnostic criteria, differentiation from other mood disorders	Apply DSM-5 diagnostic criteria for MDD in clinical scenarios	C3	Must Know	Problem-based learning	Case discussion, checklist	Case-based clinical questions	Psychiatry, Medicine
HomUG-PM III.77.05		Knows how	Bipolar Disorder, Dysthymia, Adjustment Disorder	Differentiate MDD from related mood disorders	C3	Must Know	Small group discussions	Concept maps, role-play	MCQs, case analysis	Psychiatry, Neurology
HomUG-PM III.77.06		Knows how	SSRIs, SNRIs, TCAs, and lifestyle modifications	Discuss modern medical treatments for MDD	C3	Must Know	Lecture, video demonstration	Drug classification exercises	Written test, practical exam	Psychiatry, Pharmacology

HomUG-PM III.77.07		Knows	Suicide risk, chronic impairment, co-occurring conditions	List and explain potential complications	C3	Must Know	Case discussion, risk assessment	Risk assessment scenarios	Long answer questions, viva	Psychiatry, Medicine
HomUG-PM III.77.08		Knows how	Favorable vs unfavorable factors, role of treatment adherence	Assess factors affecting prognosis in MDD	C3	Desirable to Know	Lecture, group discussion	Group exercises, MCQs	SAQs, MCQs	Psychiatry, Psychology
HomUG-PM III.77.09	Homoeopathic orientation	Knows how	Holistic case-taking, individualized prescription, miasmatic approach	Discuss the role of holistic and individualized treatment approaches in managing MDD	C3	Must Know	Repertory practice, case-solving	Case evaluation exercises	Long case viva, written test	Homoeopathy
HomUG-PM III.77.10		Knows how	Remedies such as Aurum Met, Natrum Mur, Ignatia, Sepia, Kali Phos, and Staphysagria	Select and prescribe appropriate homoeopathic remedies based on individualized case analysis	C3	Must Know	Repertory exercises, case discussions	Peer-reviewed prescriptions	Case-based repertory examination	Psychiatry, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/	T-L Methods	Assessment		Integration
								Formative	Summative	

						nice to know				
Mood Disorders: Minor Depressive Episode & Minor Depressive Disorder										
HomUG-PM III.78.01	Knowledge and Scholarship	Knows	Definitions, differentiation from major depressive disorder (MDD), and prevalence	Define Minor Depressive Episode and Minor Depressive Disorder; and their differences.	C2	Must Know	Lecture, case examples	MCQs, SAQs	Written test, viva	Psychiatry, Medicine
HomUG-PM III.78.02		Knows	Biological, psychological, and environmental causes	Describe the factors contributing to Minor Depressive Disorder	C2	Must Know	Lecture, group discussion	Concept maps, quizzes	Written test, case-based questions	Psychiatry, Pathology
HomUG-PM III.78.03		Knows how	Sub-threshold depressive symptoms, emotional and functional impact	List clinical features such as low mood, mild anhedonia, and fatigue	C3	Must Know	Case studies, video examples	Observation, peer feedback	OSCE, SAQs	Psychiatry, Psychology
HomUG-PM III.78.04		Knows how	Key diagnostic criteria, DSM-5 guidelines	Use diagnostic criteria to identify Minor Depressive Disorder in clinical scenarios	C3	Must Know	Problem-based learning	Case discussion, diagnostic exercises	Case-based questions, viva	Psychiatry, Medicine
HomUG-PM III.78.05		Knows how	Comparison of severity, duration, and functional impairment	Differentiate Minor Depression from MDD and Dysthymia	C3	Must Know	Group discussions, case scenarios	Concept maps, role-play exercises	MCQs, case analysis	Psychiatry, Neurology
HomUG-PM III.78.06		Knows how	Non-intensive interventions, SSRIs, CBT	Discuss treatment options for Minor Depressive Disorder	C3	Must Know	Interactive lecture, discussion	Treatment plans, MCQs	Written test, practical exam	Psychiatry, Pharmacology

HomUG-PM III.78.07		Knows	Risk of progression to MDD, chronicity, and functional impairment	List potential outcomes of untreated Minor Depression	C3	Must Know	Lecture, group exercises	Quizzes, case-based discussions	SAQs, long answer questions	Psychiatry, Medicine
HomUG-PM III.78.08		Knows how	Prognostic indicators, influence of early intervention	Assess factors affecting prognosis in Minor Depressive Disorder	C3	Desirable to Know	Group exercises, case discussions	Risk assessment exercises	Long answer questions, viva	Psychiatry, Psychology
HomUG-PM III.78.09	Homoeopathic orientation	Knows how	Holistic and constitutional approach, individualized case-taking	Explain the importance of individualized treatment in addressing Minor Depressive Disorder	C3	Must Know	Case scenarios, repertory training	Case-solving exercises	Written test, repertory evaluation	Homoeopathy
HomUG-PM III.78.10		Knows how	Remedies such as Ignatia, Kali Phos, Natrum Mur, Pulsatilla	Select appropriate homoeopathic remedies based on individual symptoms	C3	Must Know	Repertory exercises, case discussions	Peer-reviewed prescriptions	Case-based repertory examination	Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Mood Disorders: Dysthymic Disorder

HomUG-PM III.79.01	Knowledge and Scholarship	Knows	Definition, diagnostic criteria, clinical features, and differentiation from Major Depressive Disorder	Explain the chronic nature of Dysthymic Disorder and identify key diagnostic criteria	C2	Must Know	Lecture, discussion	MCQs, short-answer questions	Written test, viva voce	Psychiatry
HomUG-PM III.79.02		Knows how	Biological, psychological, and social factors; neurochemical imbalances	Describe risk factors and the underlying neurochemical and psychosocial changes in dysthymia	C3	Must Know	Lecture, case-based learning	Case-based discussions	Short essay, clinical case analysis	Psychiatry
HomUG-PM III.79.03		Knows how	History taking, symptomatology, DSM-5 criteria, use of validated scales	Conduct a detailed history and use diagnostic tools to identify Dysthymic Disorder	C3	Must Know	Case-based discussions, OSCE	Case presentation	Long case examination	Psychiatry
HomUG-PM III.79.04		Knows How	Pharmacological and psychotherapeutic options; lifestyle modification	Formulate a comprehensive management plan for Dysthymic Disorder	C3	Must Know	Role play, small group teaching	Problem-solving exercises	Long essay, viva	Psychiatry, Medicine
HomUG-PM III.79.05	Homoeopathic orientation	Knows how	Holistic case-taking, individualized prescription, miasmatic analysis	Explain the role of individualized treatment and miasmatic analysis in managing dysthymia	C3	Must Know	Case scenarios, repertory training	Case-solving exercises	Written test, repertory evaluation	Psychiatry, Homoeopathy
HomUG-PM III.79.06		Does	Remedies such as Aurum Met, Natrum Mur,	Select individualized homoeopathic remedies based on totality of symptoms	C3	Must Know	Repertory exercises, case discussions	Peer-reviewed prescriptions	Case-based repertory examination	Homoeopathy

			Sepia, Kali Phos, Ignatia							
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Mood Disorders: Bipolar Disorder										
HomUG-PM III.80.01	Knowledge and Scholarship	Knows	Definition, types (Bipolar I, Bipolar II, Cyclothymic Disorder), and diagnostic criteria	Define and differentiate between types of Bipolar Disorder	C2	Must Know	Lecture, discussion	MCQs, short-answer questions	Written test, viva voce	Psychiatry
HomUG-PM III.80.02		Knows	Manic, hypomanic, depressive, and mixed episodes	Recognize clinical presentations across different phases of Bipolar Disorder	C2	Must Know	Lecture, clinical scenarios	Case-based discussions	Written test, clinical case analysis	Psychiatry
HomUG-PM III.80.03		Knows how	Genetic predisposition, neurochemical imbalances, psychosocial stressors	Explain the contributing factors and underlying pathophysiology of Bipolar Disorder	C3	Must Know	Lecture, case-based learning	Group discussion	Short essay, case analysis	Psychiatry, Medicine
HomUG-PM III.80.04		Knows how	DSM-5 criteria, use of validated scales (e.g., Mood Disorder Questionnaire,	Conduct history-taking and diagnostic evaluation for Bipolar Disorder	C3	Must Know	Case-based learning, OSCE	Case presentation	Long case examination	Psychiatry

			Young Mania Rating Scale)							
HomUG-PM III.80.05		Knows how	Mood stabilizers (e.g., lithium, valproate), antipsychotics, antidepressants	Formulate an evidence-based pharmacological treatment plan	C3	Desirable to know	Small group teaching, role play	Problem-solving exercises	Long essay, viva	Psychiatry, Medicine
HomUG-PM III.80.06		Knows how	Cognitive-behavioural therapy, psycho-education, family therapy	Explain the role of psychotherapy and patient education in managing Bipolar Disorder	C3	Desirable to know	Role play, patient simulations	Case-solving exercises	Short case analysis, OSCE	Psychiatry
HomUG-PM III.80.07	Homoeopathic orientation	Knows how	Miasmatic analysis, totality of symptoms, constitutional approach	Explain the role of individualized and miasmatic treatment in Bipolar Disorder	C3	Must Know	Case scenarios, repertory training	Case-solving exercises	Written test, repertory evaluation	Homoeopathy
HomUG-PM III.80.08		Knows how	Remedies such as Aurum Met, Natrum Mur, Ignatia, Lachesis, Hyoscyamus	Select individualized homoeopathic remedies based on symptomatology	C3	Must Know	Case discussions, repertory training	Peer-reviewed prescriptions	Case-based repertory evaluation	Psychiatry, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Anxiety Disorders: Generalized Anxiety Disorder (GAD)										
HomUG-PM III.81.01	knowledge and Scholarship	Knows	Definition, diagnostic criteria (DSM-5)	Define GAD and describe its diagnostic criteria	C2	Must Know	Lecture, discussion	MCQs, short-answer questions	Written test, viva voce	Psychiatry
HomUG-PM III.81.02		Knows	Clinical features of GAD	Recognize the symptoms and signs of GAD (Excessive worry, restlessness, fatigue, difficulty concentrating, muscle tension, sleep disturbances)	C2	Must Know	Lecture, case scenarios	Case discussions	Written test, short essay questions	Psychiatry
HomUG-PM III.81.03		Knows how	Genetic, neurobiological (GABA dysregulation), environmental stressors	Explain the risk factors and neurobiological basis of GAD	C3	Must Know	Lecture, problem-based learning	Group discussions	Written test, case analysis	Psychiatry, Medicine
HomUG-PM III.81.04		Knows how	Structured interviews, screening tools (e.g., GAD-7)	Conduct history-taking and use screening tools to diagnose GAD	C3	Must Know	Clinical sessions, OSCE	Case presentations	Long case examination	Psychiatry
HomUG-PM III.81.05		Knows how	SSRIs, SNRIs, benzodiazepines (short-term), buspirone, beta-blockers	Formulate an evidence-based pharmacological treatment plan	C3	Desirable to Know	Small group teaching, role play	Problem-solving exercises	Long essay, viva	Psychiatry, Medicine
HomUG-PM III.81.06		Knows how	Cognitive-behavioural therapy (CBT), relaxation techniques, mindfulness	Describe and demonstrate the role of psychotherapy and stress management	C3	Desirable to Know	Role play, patient simulations	Case-solving exercises	Short case analysis, OSCE	Psychiatry

HomUG-PM III.81.07	Homoeopathic orientation	Knows how	Miasmatic analysis, totality of symptoms, constitutional approach	Explain the role of individualized and miasmatic treatment in GAD	C3	Must Know	Case scenarios, repertory training	Case-solving exercises	Written test, repertory evaluation	Homoeopathy
HomUG-PM III.81.08		Knows how	Remedies such as Aconite, Arsenicum Album, Gelsemium, Ignatia, Kali Phos	Select individualized homoeopathic remedies based on symptomatology	C3	Must Know	Case discussions, repertory training	Peer-reviewed prescriptions	Case-based repertory evaluation	Psychiatry, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Anxiety Disorders: Obsessive Compulsive Disorder (OCD)										
HomUG-PM III.82.01	Knowledge and Scholarship	Knows	Definition, DSM-5 criteria, classifications (obsessions vs compulsions)	Define OCD and differentiate between obsessions and compulsions	C2	Must Know	Lecture, discussion	MCQs, short-answer questions	Written test, viva voce	Psychiatry
HomUG-PM III.82.02		Knows	Recurrent intrusive thoughts, repetitive behaviours, impact on daily functioning	Identify the key symptoms of OCD	C2	Must Know	Lecture, case scenarios	Case discussions	Written test, short essay questions	Psychiatry

HomUG-PM III.82.03		Knows how	Genetic predisposition, neurobiological changes	Discuss the risk factors and pathophysiology underlying OCD (serotonin dysregulation, cortical-striatal-thalamic circuit dysfunction)	C3	Must Know	Lecture, PBL	Group discussions	Written test, case analysis	Psychiatry, Medicine
HomUG-PM III.82.04		Knows how	Structured interviews, standardized scales	Conduct detailed history-taking and use tools to diagnose OCD (e.g., Yale-Brown Obsessive Compulsive Scale - Y-BOCS)	C4	Must Know	Clinical sessions, OSCE	Case presentations	Long case examination	Psychiatry
HomUG-PM III.82.05		Knows how	SSRIs (first-line), clomipramine, adjunct antipsychotics for resistant cases	Formulate an evidence-based pharmacological treatment plan	C5	Must Know	Small group teaching, role play	Problem-solving exercises	Long essay, viva	Psychiatry, Medicine
HomUG-PM III.82.06		Shows how	CBT (exposure and response prevention), family therapy, lifestyle modification	Describe the role of psychotherapy and support systems in managing OCD	C6	Must Know	Role play, patient simulations	Case-solving exercises	Short case analysis, OSCE	Psychiatry
HomUG-PM III.82.07	Homoeopathic orientation	Knows how	Miasmatic understanding, totality of symptoms, constitutional approach	Explain the holistic management of OCD using individualized homoeopathic approaches	C7	Must Know	Case scenarios, repertory training	Case-solving exercises	Written test, repertory evaluation	Homoeopathy
HomUG-PM III.82.08		Knows how	Remedies such as Arsenicum Album, Calcarea Carbonica, Natrum Muriaticum, Nux Vomica, Silicea	Select individualized homoeopathic remedies based on symptom similarity and miasmatic analysis	C8	Must Know	Case discussions, repertory training	Peer-reviewed prescriptions	Case-based repertory evaluation	Psychiatry, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Anxiety Disorders: Panic Episode & Panic Disorder										
HomUG-PM III.83.01	Knowledge and Scholarship	Knows	Definition, DSM-5 criteria	Define panic episode and differentiate between a single panic attack and panic disorder	C2	Must Know	Lecture, discussion	MCQs, short-answer questions	Written test, viva voce	Psychiatry
HomUG-PM III.83.02		Knows	Clinical features	Identify and describe the symptoms and signs of panic episodes and panic disorder (Sudden onset of intense fear or discomfort, palpitations, shortness of breath, feelings of choking, etc)	C2	Must Know	Lecture, case scenarios	Case discussions	Written test, short essay questions	Psychiatry
HomUG-PM III.83.03		Knows how	Genetic, environmental, and neurobiological factors	Discuss the underlying causes and biological mechanisms of panic disorder (e.g., serotonin dysregulation, heightened autonomic response)	C3	Must Know	Lecture, PBL	Group discussions	Written test, case analysis	Psychiatry, Medicine
HomUG-PM III.83.04		Shows how	Use of screening tools (e.g., Panic Disorder Severity	Conduct structured interviews and apply diagnostic tools to	C3	Must Know	Clinical sessions, OSCE	Case presentations	Long case examination	Psychiatry

			Scale), differential diagnosis	confirm panic disorder diagnosis						
HomUG-PM III.83.05		Shows how	SSRIs, benzodiazepines, tricyclic antidepressants, and beta-blockers for acute symptoms	Design a pharmacological treatment plan tailored to the patient's needs and severity of symptoms	C3	Desirable to Know	Small group teaching, role play	Problem-solving exercises	Long essay, viva	Psychiatry, Medicine
HomUG-PM III.83.06		Shows how	Cognitive Behavioural Therapy (CBT), relaxation techniques, breathing exercises	Describe and implement psychological therapies to manage panic disorder	C3	Desirable to Know	Role play, patient simulations	Case-solving exercises	Short case analysis, OSCE	Psychiatry
HomUG-PM III.83.07	Homoeopathic orientation	Knows how	Miasmatic understanding, totality of symptoms, constitutional approach	Explain and practice holistic management using homoeopathic remedies for panic disorder	C3	Must Know	Case scenarios, repertory training	Case-solving exercises	Written test, repertory evaluation	Homoeopathy
HomUG-PM III.83.08		Knows how	Remedies like Argentum Nitricum, Aconite, Phosphorus, and Kali Phos for panic attacks	Select appropriate homoeopathic remedies based on individual symptom patterns and emotional state	C3	Must Know	Case discussions, repertory training	Peer-reviewed prescriptions	Case-based repertory evaluation	Psychiatry, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable	T-L Methods	Assessment	Integration
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		how/ Knows				to know/ nice to know		Formative	Summative	
Anxiety Disorders: Phobias										
HomUG- PM III.84.01	Knowledge and Scholarship	Knows	Definition, DSM-5 classification of phobias (specific phobia, social phobia, agoraphobia)	Define different types of phobias and understand their diagnostic criteria	C2	Must Know	Lecture, discussion	MCQs, short- answer questions	Written test, viva voce	Psychiatry, Psychology
HomUG- PM III.84.02		Knows	Symptoms related to specific phobias (e.g., fear of heights, animals, blood), social anxiety, agoraphobia	Identify and describe symptoms of common phobias and their impact on daily functioning	C2	Must Know	Lecture, case studies, role play	Case-based learning exercises	Written test, short essay questions	Psychiatry, Psychology
HomUG- PM III.84.03		Knows how	Neurobiological factors, classical conditioning, learned behaviours, and genetic predisposition	Explain the underlying mechanisms that lead to the development of phobias	C3	Must Know	Lecture, discussion	Group discussions, reflective exercises	Written test, case analysis	Psychiatry, Psychology
HomUG- PM III.84.04		Knows how	Use of clinical interview, questionnaires	Perform a structured assessment to diagnose phobias based on clinical interview and tools (e.g., Fear Questionnaire), and diagnostic criteria	C3	Must Know	Clinical sessions, OSCE	Case-based discussion, patient evaluation	Long case examination, OSCE	Psychiatry, Psychology
HomUG- PM III.84.05		Knows how	Cognitive Behavioural Therapy (CBT), exposure therapy,	Design a comprehensive treatment plan, considering psychological therapies and pharmacological management	C3	Desirable to Know	Role play, CBT training, group therapy	Case studies, problem- solving exercises	Long essay, viva voce	Psychiatry, Psychology

			desensitization, pharmacotherapy							
HomUG-PM III.84.06		Knows how	Gradual exposure, systematic desensitization, relaxation techniques	Explain and apply the principles of exposure therapy to help patients confront their phobic fears	C3	Desirable to Know	Role play, simulations	Group CBT exercises, desensitization tasks	Written test, CBT session evaluation	Psychiatry, Psychology
HomUG-PM III.84.07	Homoeopathic orientation	Knows how	Holistic management considering mental, emotional, and physical symptoms	Explain the homoeopathic approach to treating phobias by focusing on the individual as a whole	C3	Must Know	Case studies, repertory training	Case-based learning, repertory exercises	Written test, repertory evaluation	Homoeopathy, Psychiatry
HomUG-PM III.84.08		Knows how	Remedies like Aconite, Argentum Nitricum, and Phosphorus for specific phobias based on symptoms and anxiety	Select appropriate homoeopathic remedies based on the patient's symptomatology and fear triggers	C3	Must Know	Case discussions, repertory training	Peer-reviewed prescriptions	Case-based repertory evaluation	Psychiatry, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Psychotic Disorders: Schizophrenia

HomUG-PM III.85.01	Knowledge and Scholarship	Knows	Definition, types of schizophrenia (paranoid, disorganized, catatonic, undifferentiated, residual), DSM-5 diagnostic criteria	Define schizophrenia and its subtypes based on clinical presentation and diagnostic criteria	C2	Must Know	Lecture, discussion	Short answer questions, MCQs	Written exam, viva voce	Psychiatry, Psychology
HomUG-PM III.85.02		Knows how	Genetic, neurodevelopmental, neurochemical, and environmental factors influencing schizophrenia	Discuss the potential causes and risk factors of schizophrenia, including genetic and environmental factors	C2	Must Know	Lecture, case discussions	Group discussions, reflective exercises	Written test, case analysis	Psychiatry, Neurology
HomUG-PM III.85.03		Knows how	Positive symptoms, negative symptoms, cognitive symptoms	Identify and describe the clinical manifestations of schizophrenia in patients	C3	Must Know	Role play, clinical cases	Case-based discussions, role-play scenarios	OSCE, long case examination	Psychiatry, Neurology
HomUG-PM III.85.04		Knows how	Use of clinical interview, mental status examination, rating scales for diagnosis and monitoring	Conduct a thorough psychiatric assessment to evaluate symptoms and functional impairment	C3	Must Know	Clinical rotations, OSCE	Case presentations, observation	Long case, practical assessment	Psychiatry, Psychology
HomUG-PM III.85.05		Knows how	Antipsychotics, supportive therapy, psychosocial interventions, family therapy, rehabilitation	Design a comprehensive treatment plan, incorporating medication, therapy, and rehabilitation	C3	Must Know	Role play, case studies	Treatment planning exercises	Written test, practical case presentation	Psychiatry, Psychology
HomUG-PM III.85.06		Knows how	Pharmacological treatment and	Apply knowledge of antipsychotic medications in	C3	Desirable to know	Case-based learning, simulations	Case study evaluations, quizzes	Written exam, viva voce	Psychiatry, Pharmacology

			managing side effects	managing schizophrenia and mitigating side effects						
HomUG-PM III.85.07		Knows how	Cognitive Behavioural Therapy (CBT), supportive therapy, family therapy, psycho-education	Explain and apply various psychotherapy modalities in the management of schizophrenia	C3	Desirable to know	CBT training, group therapy	Case-based learning, psychotherapy role play	Practical demonstration, case analysis	Psychiatry, Psychology
HomUG-PM III.85.08	Homoeopathic orientation	Knows how	Holistic management including mental, emotional, and physical symptoms in schizophrenia	Integrate homoeopathic remedies with conventional treatment to address the full spectrum of symptoms	C3	Must Know	Case-based learning, repertory training	Peer-reviewed treatment plans	Written test, repertory evaluation	Homoeopathy, Psychiatry
HomUG-PM III.85.09		Knows how	Homoeopathic based on symptoms and constitutional analysis	Select appropriate homoeopathic remedies according to the individual's mental and emotional state	C3	Must Know	Case discussions, repertory training	Repertory exercises, peer reviews	Case-based discussions, repertory assessments	Homoeopathy, Psychiatry

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Psychotic Disorders: Acute psychosis

HomUG-PM III.86.01	Knowledge and Scholarship	Knows	Definition, types and DSM-5 diagnostic criteria for acute psychosis	Define acute psychosis and identify the features that differentiate it from other psychotic disorders	C2	Must Know	Lecture, discussion	Short answer questions, MCQs	Written exam, viva voce	Psychiatry, Psychology
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HomUG-PM III.86.02		Knows how	Symptoms: delusions, hallucinations, disorganized speech, impaired reality testing, emotional instability	Identify and describe the clinical manifestations of acute psychosis	C3	Must Know	Clinical case discussion, role play	Case-based discussions, group exercise	OSCE, case presentations	Psychiatry, Psychology
HomUG-PM III.86.03		Knows how	Substance abuse, trauma, infection, medical conditions, stress, genetic factors	Discuss the various etiological factors contributing to acute psychosis	C3	Must Know	Lecture, case-based learning	Group discussions, quizzes	Written test, case analysis	Psychiatry, Neurology
HomUG-PM III.86.04		Shows how	Clinical history, mental status examination, using diagnostic tools	Conduct a thorough psychiatric assessment, including ruling out medical conditions like delirium	C3	Must Know	Clinical rotation, OSCE	Observation, case presentations	Long case, practical assessment	Psychiatry, Neurology
HomUG-PM III.86.05		Shows how	Antipsychotic medication, hospitalization, safety measures, family support	Design an initial treatment plan addressing pharmacological and psychosocial interventions	C3	Must Know	Role play, case study	Case discussions, treatment planning exercises	Case presentation, clinical scenario assessments	Psychiatry, Pharmacology
HomUG-PM III.86.06		Shows how	Typical (Haloperidol) and atypical (Olanzapine, Risperidone) antipsychotics, side effects	Administer appropriate medications and manage side effects associated with antipsychotic treatment	C3	Desirable to know	Case-based learning, simulation	Clinical case presentations, peer review	OSCE, practical skills assessment	Psychiatry, Pharmacology
HomUG-PM III.86.07		Shows how	Cognitive Behavioural Therapy (CBT), supportive therapy, psycho-education	Apply psychotherapy techniques to help patients manage symptoms of acute psychosis	C3	Desirable to know	Role play, group therapy	Case study, peer feedback	Practical case demonstration, video assessments	Psychiatry, Psychology

			for patients and families							
HomUG-PM III.86.08	Homoeopathic orientation	Knows how	Holistic management, combining pharmacological, psychotherapeutic, and homoeopathic remedies	Integrate homoeopathy with conventional psychiatric treatment for comprehensive patient care	C3	Must Know	Case discussions, treatment planning	Peer-reviewed treatment plans	Case presentations, practical assessment	Psychiatry, Homoeopathy
HomUG-PM III.86.09		Does	Homoeopathic remedies based on acute psychotic symptoms (delirium, fear, hallucinations)	Select appropriate remedies based on individual symptom patterns in acute psychosis	C3	Must Know	Case discussions, repertory training	Case-based analysis, peer discussions	Written test, repertory exercises	Homoeopathy, Psychiatry

Sl. No	Competency	Millers Level: Does/Shows how/ Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Organic Brain syndromes: Delirium and Dementia										
HomUG-PM III.87.01	Knowledge and Scholarship	Knows	Definition, types of organic brain syndromes	Define organic brain syndrome and classify various types according to DSM-5 and ICD-10 (e.g., delirium, dementia, amnesic disorders, etc.)	C2	Must Know	Lecture, group discussions	Short answer questions, MCQs	Written exam, viva voce	Psychiatry, Neurology

HomUG-PM III.87.02		Knows how	Causes of organic brain syndrome	Identify and discuss the causes of organic brain syndrome (infection, trauma, metabolic disorders, toxins, neurodegenerative diseases, vascular diseases)	C3	Must Know	Case-based learning, brainstorming	Case discussions, quizzes	MCQs, short case analysis	Psychiatry, Neurology
HomUG-PM III.87.03		Knows how	Symptoms of organic brain syndrome	Recognize clinical manifestations and signs of organic brain syndrome	C3	Must Know	Clinical case studies, role play	Peer discussions, scenario practice	Case presentations, written test	Psychiatry, Neurology
HomUG-PM III.87.04		Knows how	Assessment of cognitive function, memory, orientation, attention, speech, perception, and emotional state	Perform a thorough mental status examination in patients with suspected organic brain syndrome	C3/P3	Must Know	Clinical rotation, OSCE	Observation, role play	OSCE, practical case assessment	Psychiatry, Neurology
HomUG-PM III.87.05		Knows how	Neuroimaging, laboratory tests, cognitive screening tests (MMSE, MoCA)	Integrate various diagnostic tools to diagnose organic brain syndrome	C3	Desirable to Know	Case discussions, diagnostic exercises	Diagnostic case discussions	Diagnostic assessments, case studies	Psychiatry, Neurology
HomUG-PM III.87.06		Knows how	Medical treatment, managing underlying causes, support for caregivers	Develop a treatment plan, including pharmacological and non-pharmacological interventions	C3	Desirable to Know	Case-based learning, treatment planning	Case study analysis, treatment planning	Clinical scenario-based assessments	Psychiatry, Neurology
HomUG-PM III.87.07		Shows how	Psychological support, family education, physical and	Provide holistic care, including supportive services for the patient and family	C3	Must Know	Role play, case discussions	Peer reviews, clinical feedback	OSCE, case presentations	Psychiatry, Neurology, Homoeopathy

			occupational therapy, cognitive rehabilitation							
HomUG-PM III.87.08		Does	Combining antipsychotics, cognitive therapy, and homoeopathic remedies for holistic treatment of organic brain syndrome	Create an integrated treatment plan for patients using both conventional and homoeopathic approaches	C3	Desirable to Know	Interdisciplinary case discussions	Group feedback, collaborative learning	Long case discussion, integrated assessment	Psychiatry, Neurology, Homoeopathy
HomUG-PM III.87.09	Homoeopathic orientation	Does	Homoeopathic remedies such based on cognitive decline, confusion, and aggression	Apply homoeopathic treatment based on the individual's specific symptoms of organic brain syndrome	C3	Must Know	Repertory sessions, clinical observation	Case-based analysis, peer feedback	Case presentations, repertory exercises	Homoeopathy, Psychiatry

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Personality Disorders										
HomUG-PM III.88.01	Knowledge and Scholarship	Knows	Definition of personality disorders, classification and types	Define personality disorders and categorize them into clusters and types	C2	Must Know	Lecture, interactive discussions	Short answer questions, MCQs	Written exam, case study analysis	Psychiatry, Psychology

HomUG-PM III.88.02		Knows how	Biological, psychological, and environmental factors influencing personality disorders	Identify the causes and risk factors for developing personality disorders	C3	Must Know	Case-based learning, group discussions	Case discussions, role play	MCQs, case study review	Psychiatry, Psychology
HomUG-PM III.88.03		Knows how	Symptoms of personality disorders	Recognize the clinical manifestations of various personality disorders (borderline, narcissistic, etc.)	C3	Must Know	Clinical case studies, role play	Case scenarios, peer feedback	Clinical case presentations, OSCEs	Psychiatry, Psychology
HomUG-PM III.88.04		Knows how	Diagnostic tools (DSM-5 criteria for personality disorders, structured interviews, questionnaires)	Integrate diagnostic criteria to diagnose personality disorders using appropriate tools	C3	Must Know	Clinical rotations, diagnostic exercises	Case-based learning, peer reviews	Diagnostic assessments, OSCE	Psychiatry, Psychology
HomUG-PM III.88.05		Knows how	Psychological therapies, pharmacotherapy	Develop an individualized treatment plan for patients with personality disorders	C3	Must Know	Group discussions, therapy demonstrations	Therapy planning, role play	Case study-based treatment planning	Psychiatry, Psychology
HomUG-PM III.88.06		Knows how	Integrating psychotherapeutic approaches and homoeopathic remedies for comprehensive patient care	Develop an integrated approach to managing personality disorders, combining conventional and homoeopathic methods	C3	Desirable to Know	Interdisciplinary case discussions	Group feedback, collaborative learning	Integrated case presentations	Psychiatry, Psychology, Homoeopathy

HomUG-PM III.88.07	Homoeopathic orientation	Knows how	Homoeopathic remedies for managing symptoms like anxiety, impulsivity, and emotional instability	Select and apply homoeopathic remedies based on individual symptomatology and constitution	C3	Desirable to Know	Repertory practice, case discussions	Peer case reviews, repertory exercises	Repertory drills, case study presentations	Homoeopathy, Psychiatry
HomUG-PM III.88.08	Knowledge and Scholarship	Knows how	Psycho-education on the nature of personality disorders, treatment options, and coping strategies	Provide education and support to patients and their families regarding personality disorder management	C3	Must Know	Family meetings, psycho-education workshops	Peer feedback, scenario-based education	Written assessments, family education sessions	Psychiatry, Psychology
HomUG-PM III.88.09		Knows how	Assessing treatment outcomes through regular follow-up, behavioural observations, and symptom tracking	Track and assess the progress of patients undergoing treatment for personality disorders	C3	Desirable to Know	Clinical follow-up, monitoring tools	Monitoring progress through case studies	Progress reports, patient assessments	Psychiatry, Psychology

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Substance Abuse										

HomUG-PM III.89.01	Knowledge and Scholarship	Knows	Definition of substance abuse, classification of substances	Define substance abuse and categorize various substances and their effects on health	C2	Must Know	Lecture, interactive discussions	Short answer questions, MCQs	Written exam, case study analysis	Psychiatry, Psychology
HomUG-PM III.89.02		Knows how	Genetic, environmental, and social risk factors contributing to substance abuse	Identify the risk factors for developing substance abuse and addiction	C3	Must Know	Case studies, group discussions	Risk factor identification exercises	Case-based discussions, scenario-based MCQs	Psychiatry, Social Work
HomUG-PM III.89.03		Knows how	Behavioural, psychological, and physical symptoms of substance abuse	Recognize the clinical features and symptoms of various substance abuse disorders	C3	Must Know	Clinical case studies, role play	Observing case discussions, peer feedback	OSCE, MCQs on signs and symptoms	Psychiatry, Clinical Practice
HomUG-PM III.89.04		Knows how	Use DSM-5 diagnostic criteria for substance use disorders, including severity, withdrawal, and tolerance symptoms	Integrate DSM-5 criteria to diagnose substance use disorders accurately	C3	Must Know	Case-based learning, diagnostic exercises	Peer reviews, case discussion	Case presentations, diagnostic assessment	Psychiatry, Psychology
HomUG-PM III.89.05		Knows how	Treatment modalities: pharmacotherapy, cognitive-behavioural therapy (CBT), group therapy	Create an individualized treatment plan using appropriate therapeutic approaches (pharmacologic and psychological)	C3	Desirable to Know	Role play, treatment planning	Planning based on case studies	Comprehensive treatment plan presentations	Psychiatry, Clinical Practice

HomUG-PM III.89.06		Knows how	Integrating pharmacotherapy, psychotherapy, and homoeopathic treatments for substance abuse recovery	Develop a comprehensive, integrated treatment plan combining conventional and homoeopathic approaches	C3	Desirable to Know	Group discussions, interdisciplinary collaboration	Integration of homoeopathic remedies with psychotherapy	Integrated treatment assessments	Psychiatry, Clinical Practice, Homoeopathy
HomUG-PM III.89.07	Homoeopathic orientation	Knows how	Homoeopathic remedies for withdrawal symptoms, cravings, and anxiety	Select and apply homoeopathic remedies based on individual symptomatology related to substance abuse	C3	Must Know	Repertory practice, case discussions	Repertory exercises, case studies	Repertory drills, treatment response assessments	Homoeopathy, Psychiatry
HomUG-PM III.89.08	Knowledge and Scholarship	Knows how	Psycho-education on the nature of substance abuse, treatment options, and prevention strategies	Educate patients and families on understanding substance abuse, its effects, and prevention measures	C3	Must Know	Psycho-education workshops, family sessions	Scenario-based learning, patient interactions	Written assessments, family support discussions	Psychiatry, Psychology
HomUG-PM III.89.09		Knows how	Regular assessment of treatment response, relapse prevention, and long-term recovery strategies	Track and evaluate the effectiveness of the treatment plan, adjust interventions as necessary	C3	Must Know	Clinical follow-up, monitoring tools	Monitoring treatment outcomes	Patient progress reports, case reviews	Psychiatry, Clinical Practice

Sl. No	Competency	Millers Level: Does/Shows how/Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirabl	T-L Methods	Assessment	Integration
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		how/ Knows				e to know/ nice to know		Formative	Summative	
Conversion disorder										
HomUG- PM III.90.01	Knowledge and Scholarship	Knows	Definition of conversion disorder, its clinical features, and classification.	Define conversion disorder and understand its psychogenic nature.	C2	Must Know	Lecture, case study discussio ns	Short answer questions, MCQs	Written exam, clinical case presentations	Psychiatry, Neurology
HomUG- PM III.90.02		Knows how	Symptoms of conversion disorder	Recognize the signs of conversion disorder in a clinical setting (e.g., paralysis, blindness, seizures etc.)	C3	Must Know	Case- based learning, role play	Case discussions, symptom recognition	Practical assessment of symptoms	Psychiatry, Neurology
HomUG- PM III.90.03		Knows how	Distinguishing conversion disorder from neurological and psychiatric conditions	Use diagnostic criteria and clinical evaluation to differentiate conversion disorder from other conditions	C3	Must Know	Case study analysis, diagnosti c exercises	Peer review, case analysis	Differential diagnosis MCQs	Psychiatry, Neurology
HomUG- PM III.90.04		Knows	Psychodynamic theories, stress- related triggers, and unconscious processes contributing to conversion disorder.	Understand how emotional stress and unresolved psychological conflict can lead to physical symptoms.	C2	Desirabl e to Know	Lecture, psycholo gical theory discussio n	Reflective essays, self- assessment	Short answer questions on theories	Psychiatry, Clinical Psychology
HomUG- PM III.90.05		Knows how	Use DSM-5 criteria to diagnose	Apply the diagnostic criteria to patients suspected of conversion disorder.	C3	Must Know	Case studies, diagnosti	Diagnostic case	OSCE, case analysis	Psychiatry, Neurology

			conversion disorder				c exercises	presentations		
HomUG-PM III.90.06		Knows how	Psychotherapy (CBT, psychodynamic), physical rehabilitation, and stress management techniques.	Design an individualized treatment plan, considering psychotherapy, and physical therapy as needed.	C3	Desirable to Know	Role play, treatment planning sessions	Treatment planning case studies	Treatment plan presentations	Psychiatry, Psychology
HomUG-PM III.90.07		Knows how	Combining psychotherapy, pharmacotherapy, and homoeopathy in a holistic approach.	Integrate therapies like CBT, medication (if required), and homoeopathy for holistic patient care.	C3	Desirable to Know	Group discussions, case studies	Interdisciplinary case discussions	Integrated treatment evaluation	Psychiatry, Homoeopathy, Psychology
HomUG-PM III.90.08	Homoeopathic orientation	Knows how	Homoeopathic for emotional stress, mental trauma, and hysteria	Select and apply appropriate homoeopathic remedies based on the patient's emotional state and symptoms.	C3	Must Know	Homoeopathic case studies, repertory practice	Remedy selection exercises	Clinical case analysis, remedy efficacy	Homoeopathy, Psychiatry
HomUG-PM III.90.09	Knowledge and Scholarship	Knows how	Psycho-education about the disorder, coping mechanisms, and managing stress.	Provide psycho-education on the disorder, including managing triggers and preventing relapse.	C3	Desirable to Know	Family therapy, psycho-education sessions	Family involvement feedback		Psychiatry, Social Work

HomUG-PM III.90.10		Knows how	Assess symptom improvement, response to treatment, and any signs of relapse.	Monitor progress through follow-up appointments, using psychological scales and symptom checklists.	C3	Desirable to Know	Progress evaluation, follow-up care	Patient feedback, symptom tracking	Clinical follow-up assessments	Psychiatry, Clinical Practice
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COMPETENCY TABLES - DERMATOLOGICAL AND SEXUALLY TRANSMITTED DISORDERS

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain / Guilbert's Level	Priority - Must Know / Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Approach to the Patient with a Skin Disorder										
HomU G-PM III.91.0 1	Knowledge and Scholarship	Knows	Overview of common skin disorders	Define common skin disorders, their causes, and clinical features.	C2	Must Know	Lecture, interactive discussion	Short answer questions, quizzes	Written exams, MCQs	Dermatology
HomU G-PM III.91.0 2		Knows how	Common skin disorders in clinical practice	Recognize and describe clinical features of common skin disorders.	C3	Must Know	Case-based learning, practical demonstration	Case discussions, symptom recognition	OSCE, clinical examination	Dermatology
HomU G-PM III.91.0 3		Knows how	Differences between different types of skin disorders	Differentiate between types of skin disorders using clinical reasoning and diagnostic criteria.	C3	Must Know	Problem-based learning, clinical case discussions	Case analysis, differential diagnosis	Clinical case presentations, diagnosis	Dermatology
HomU G-PM III.91.0 4		Knows	Pathophysiology behind skin disorders	Understand the pathophysiology of common skin disorders and their aetiologies.	C2	Must Know	Lecture, diagrammatic explanation	Group discussions, quizzes	Short answer questions, group discussion	Dermatology, Immunology
HomU G-PM		Knows how	Risk factors for developing skin disorders	Identify and assess risk factors for the development of common skin disorders.	C3	Must Know	Case studies, risk factor analysis	Case study presentations, quizzes	Written exams, MCQs	Dermatology, Social Medicine

III.91.0 5										
HomU G-PM III.91.0 6		Knows how	Diagnostic techniques (e.g., skin biopsy, patch testing)	Apply diagnostic techniques to confirm skin disorder diagnosis.	C3	Must Know	Laboratory sessions, diagnostic exercises	Practical skill assessment	OSCE, practical exams	Dermatology, Pathology
HomU G-PM III.91.0 7		Knows how	Treatment plan for skin disorders	Create a treatment plan based on the type and severity of the skin disorder.	C3	Must Know	Case-based treatment planning, role-playing	Treatment plan formulation exercises	Clinical case presentations, treatment outcomes	Dermatology, Pharmacology
HomU G-PM III.91.0 8		Knows how	Multidisciplinary approaches in managing skin disorders	Collaborate with other healthcare providers to ensure comprehensive care for skin disorders.	C3	Desirable to Know	Interdisciplinary discussions, case presentations	Collaborative case discussions	Team-based case presentations	Dermatology, Homoeopathy
HomU G-PM III.91.0 9	Homoeopathic orientation	Knows how	Homoeopathy for the management of skin disorders	Select appropriate homoeopathic remedies based on the patient's symptoms and constitution.	C3	Must Know	Homoeopathic case studies, repertory exercises	Remedy selection practices	Clinical homoeopathic assessment	Homoeopathy, Dermatology
HomU G-PM III.91.1 0	Knowledge and Scholarship	Knows how	Response to treatment for skin disorders	Evaluate treatment effectiveness and modify treatment plans accordingly.	C3	Must Know	Follow-up consultations, patient monitoring	Patient feedback, symptom tracking	Progress assessment through follow-up	Dermatology
HomUG- PM III.91.11		Knows how	Educating patients on skin care and prevention	Educate patients on proper skincare, trigger avoidance, and prevention strategies.	C3	Must Know	Patient education sessions, role-playing	Educational material review	Patient feedback, knowledge assessment	Dermatology, Preventive Medicine

Sl. No	Competency	Millers Level: Does/Shows	Content	SLO	Blooms Domain/	Priority - Must Know/	T-L Methods	Assessment	Integration
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		how/Knows how/ Knows			Guilbert's Level	Desirable to know/ nice to know		Formative	Summative	
Bacterial infections of Skin										
HomUG- PM III.92.01	Knowledge and Scholarship	Knows	Overview of bacterial skin infections.	Define common bacterial infections of the skin (impetigo, cellulitis, folliculitis, and erysipelas), their causes, and clinical features.	C2	Must Know	Lecture, interactive discussion	Short answer questions, quizzes	Written exams, MCQs	Dermatology, Microbiology
HomUG- PM III.92.02		Knows how	Clinical manifestations of Bacterial infections of skin.	Identify and describe the clinical presentation of bacterial skin infections.	C3	Must Know	Clinical case- based discussion	Symptom identification exercises	OSCE, clinical examination	Microbiology, Dermatology
HomUG- PM III.92.03		Knows	Mechanisms of infection, host response, and microbial virulence factors.	Explain the pathophysiology of bacterial skin infections and their progression.	C2	Must Know	Lecture with diagrams	Quizzes, group discussions	Short answer questions, MCQs	Dermatology, Microbiology
HomUG- PM III.92.04		Knows	Classification based on causative organisms and severity.	Classify bacterial skin infections according to aetiology and clinical severity.	C2	Must Know	Lecture, group discussion	Classification exercises, case studies	Written exams, MCQs	Microbiology
HomUG- PM III.92.05		Knows how	Diagnostic methods such as Gram stain, culture, and sensitivity tests.	Use diagnostic techniques to confirm bacterial skin infections.	C3	Must Know	Laboratory sessions, case analysis	Diagnostic skill assessment	OSCE, practical exams	Microbiology, Pathology
HomUG- PM III.92.06		Knows how	Treatment options like antibiotics, incision and	Develop an appropriate treatment plan for bacterial skin infections based on severity.	C3	Must Know	Case-based treatment planning	Treatment formulation exercises	Case presentations, management plans	Dermatology, Pharmacology

			drainage, and supportive care.							
HomUG-PM III.92.07		Knows how	Preventive strategies such as hygiene practices, wound care, and vaccinations.	Educate patients on preventive measures for bacterial skin infections.	C3	Must Know	Patient education, role-playing	Patient education feedback		Dermatology, Public Health
HomUG-PM III.92.08	Homoeopathic orientation	Knows how	Remedies like Hepar sulph, Silicea, Belladonna, and Calendula for bacterial skin infections.	Select appropriate homoeopathic remedies based on symptoms and patient constitution.	C3	Must Know	Homoeopathic case studies	Remedy selection practices	Clinical homoeopathic assessment	Homoeopathy, Dermatology
HomUG-PM III.92.09	Knowledge and Scholarship	Knows how	Regular follow-ups, evaluating treatment response, and managing complications like abscesses.	Assess treatment efficacy and modify plans as needed.	C3	Must Know	Follow-up consultations	Progress tracking through follow-up	OSCE, clinical case assessment	Dermatology, Homoeopathy
HomUG-PM III.92.10		Knows how	Referring severe cases to specialists and coordinating care.	Collaborate with healthcare teams for comprehensive management of severe bacterial infections.	C3	Desirable to Know	Interdisciplinary case discussions	Team-based evaluations		Dermatology, Internal medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Fungal infections of Skin										
HomUG-PM III.93.01	Knowledge and Scholarship	Knows	Overview of superficial fungal infections of skin.	Define fungal infections of the skin, their aetiology, and clinical significance.	C2	Must Know	Lecture, interactive discussion	Short answer questions, quizzes	Written exams, MCQs	Dermatology, Microbiology
HomUG-PM III.93.02		Knows how	Clinical features and characteristic lesion patterns.	Identify and describe the clinical presentation of fungal skin infections.	C3	Must Know	Clinical case-based discussion	Symptom identification exercises	OSCE, clinical examination	Dermatology, Homoeopathy
HomUG-PM III.93.03		Knows	Mechanisms of fungal colonization, infection, and immune response.	Explain the pathophysiology of fungal infections and their progression.	C2	Must Know	Lecture with diagrams	Quizzes, group discussions	Short answer questions, MCQs	Dermatology, Microbiology
HomUG-PM III.93.04		Knows	Classification based on causative organisms and depth of infection.	Classify fungal skin infections by type and severity.	C2	Must Know	Lecture, group discussion	Classification exercises, case studies	Written exams, MCQs	Dermatology, Microbiology
HomUG-PM III.93.05		Knows how	Diagnostic methods	Describe the diagnostic methods to confirm fungal skin infections such as KOH mount, culture, and Wood's lamp examination.	C3	Must Know	Laboratory sessions, case analysis	Diagnostic skill assessment	OSCE, practical exams	Microbiology, Pathology
HomUG-PM III.93.06		Knows how	Treatment options like topical and systemic antifungal medications and supportive care.	Develop an appropriate treatment plan for fungal skin infections based on severity.	C3	Must Know	Case-based treatment planning	Treatment formulation exercises	Case presentations, management plans	Dermatology, Pharmacology
HomUG-PM III.93.07		Knows how	Strategies like hygiene, avoiding shared items, and addressing environmental factors.	Educate patients on preventive measures for fungal infections.	C3	Must Know	Patient education, role-playing	Patient education feedback		Dermatology, Public Health

HomUG-PM III.93.08	Homoeopathic orientation	Knows how	Remedies like Sulphur, Graphites, Sepia, and Thuja based on symptom similarity.	Select appropriate homoeopathic remedies tailored to symptoms and patient constitution.	C3	Must Know	Homoeopathic case studies	Remedy selection practices	Clinical homoeopathic assessment	Homoeopathy, Dermatology
HomUG-PM III.93.09	Knowledge and Scholarship	Knows how	Regular follow-ups to assess symptom relief, treatment adherence, and addressing complications.	Evaluate treatment response and modify plans as necessary.	C3	Must Know	Follow-up consultations	Progress tracking through follow-up	OSCE, clinical case assessment	Dermatology, Homoeopathy
HomUG-PM III.93.10		Knows how	Collaborating with specialists for persistent or recurrent fungal infections.	Coordinate care with a team for comprehensive management of complicated fungal infections.	C3	Desirable to Know	Interdisciplinary case discussions	Team-based evaluations		Dermatology, Internal Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Viral infections of Skin										

HomUG-PM III.94.01	Knowledge and Scholarship	Knows	Overview of common viral skin infections	Define viral infections of the skin, their causative agents, and clinical significance.	C2	Must Know	Lecture, interactive discussion	Short answer questions, quizzes	Written exams, MCQs	Dermatology, Microbiology
HomUG-PM III.94.02		Knows how	Clinical presentations and systemic involvement.	Identify and describe the clinical presentation of viral skin infections.	C3	Must Know	Clinical case-based discussion	Symptom identification exercises	OSCE, clinical examination	Dermatology, Internal medicine
HomUG-PM III.94.03		Knows	Mechanisms of viral replication, immune evasion, and host immune response.	Explain the pathophysiology of viral infections and their progression.	C2	Must Know	Lecture with diagrams	Quizzes, group discussions	Short answer questions, MCQs	Pathology, Microbiology
HomUG-PM III.94.04		Knows	Classification based on causative viruses	Classify viral skin infections by type and severity.	C2	Must Know	Lecture, group discussion	Classification exercises, case studies	Written exams, MCQs	Dermatology, Microbiology
HomUG-PM III.94.05		Knows how	Diagnostic methods to confirm viral skin infections.	Use diagnostic techniques such as Tzanck smear, PCR, serology, and viral cultures.	C3	Must Know	Laboratory sessions, case analysis	Diagnostic skill assessment	OSCE, practical exams	Microbiology, Pathology
HomUG-PM III.94.06		Knows how	Use of antiviral agents, topical treatments, and supportive care.	Develop an appropriate treatment plan for viral skin infections based on severity.	C3	Must Know	Case-based treatment planning	Treatment formulation exercises	Case presentations, management plans	Dermatology, Pharmacology
HomUG-PM III.94.07		Knows how	Vaccinations, hygiene practices, and patient education.	Educate patients on preventive measures for viral infections.	C3	Must Know	Patient education, role-playing	Patient education feedback		Dermatology, Public Health
HomUG-PM III.94.08	Homoeopathic orientation	Knows how	Remedies like Rhus tox, Arsenicum album, Mezereum, and Natrum muriaticum	Select appropriate homoeopathic remedies tailored to symptoms and patient constitution.	C3	Must Know	Homoeopathic case studies	Remedy selection practices	Clinical homoeopathic assessment	Homoeopathy, Dermatology

			based on symptom similarity.							
HomUG-PM III.94.09	Knowledge and Scholarship	Knows how	Regular follow-ups to assess symptom relief, treatment adherence, and addressing complications.	Evaluate treatment response and modify plans as necessary.	C3	Must Know	Follow-up consultations	Progress tracking through follow-up	OSCE, clinical case assessment	Internal medicine, Homoeopathy
HomUG-PM III.94.10		Knows how	Collaborating with specialists for persistent or recurrent viral infections.	Coordinate care with a team for comprehensive management of complicated viral infections.	C3	Desirable to Know	Interdisciplinary case discussions	Team-based evaluations		Dermatology, Internal medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Parasitic infestations of the skin: Scabies										
HomUG-PM III.95.01	Knowledge and Scholarship	Knows	Definition, causative agent (<i>Sarcoptes scabiei</i>), and its epidemiology.	Define scabies and identify its causative agent and transmission methods.	C2	Must Know	Lecture, interactive discussion	Short answer questions, quizzes	Written exams, MCQs	Dermatology, Parasitology
HomUG-PM III.95.02		Knows how	Clinical features of scabies	Identify the clinical presentation and	C3	Must Know	Case-based discussion	Clinical scenario-	OSCE, clinical examination	Dermatology, Parasitology

				characteristic features of scabies.				based exercises		
HomUG-PM III.95.03		Knows	Life cycle of the mite & pathophysiology of scabies.	Explain the pathophysiology and mechanisms of symptoms in scabies.	C2	Must Know	Lecture with visual aids	Group discussions, concept maps	Written exams, MCQs	Parasitology
HomUG-PM III.95.04		Knows how	Diagnosis scabies using appropriate investigations	Use diagnostic tools to confirm scabies.	C3	Must Know	Laboratory sessions, demonstrations	Diagnostic skill assessment	OSCE, practical exams	Pathology, Parasitology, Dermatology
HomUG-PM III.95.05		Knows	Classification/ types of scabies	Classify scabies into its clinical subtypes.	C2	Must Know	Lecture, group discussion	Classification exercises, case studies	Written exams, MCQs	Dermatology
HomUG-PM III.95.06		Knows how	Treatment plan for scabies	Develop a treatment plan including pharmacological and non-pharmacological measures.	C3	Must Know	Case-based treatment planning	Treatment formulation exercises	Case presentations, management plans	Dermatology, Pharmacology
HomUG-PM III.95.07		Knows	Hygiene, treating contacts, and environmental decontamination.	Educate patients on preventing reinfestation and community spread.	C2	Must Know	Role-playing, patient education	Patient education exercises		Dermatology, Public Health
HomUG-PM III.95.08		Knows how	Secondary bacterial infections (e.g., impetigo), post-scabetic dermatitis.	Identify and address complications arising from scabies.	C3	Desirable to Know	Case studies, interactive sessions	Complication management exercises	OSCE, case presentations	Dermatology, Microbiology
HomUG-PM III.95.09	Homoeopathic orientation	Knows how	Remedies like Sulphur, Psorinum, and Mercurius solubilis based on totality of symptoms.	Select appropriate homoeopathic remedies for scabies based on symptomatology and constitution.	C3	Desirable to Know	Homoeopathic case studies	Remedy selection practices	Clinical homoeopathic assessment	Homoeopathy, Dermatology

HomUG-PM III.95.10	Knowledge and Scholarship	Knows how	Follow-ups to ensure resolution, address recurrence, and provide patient education.	Evaluate treatment outcomes and modify plans as necessary.	C3	Desirable to Know	Follow-up consultations	Progress tracking through follow-up	OSCE, clinical case assessments	Dermatology, Homoeopathy
HomUG-PM III.95.11		Knows how	Collaborating with dermatologists and public health experts for crusted or outbreak scenarios.	Coordinate care for complex cases and community-level management.	C3	Desirable to Know	Interdisciplinary case discussions	Team-based evaluations		Dermatology, Public Health

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Eczema and Dermatitis

HomUG-PM III.96.01	Knowledge and Scholarship	Knows	Definitions, classification, and distinctions between eczema and dermatitis.	Define eczema and dermatitis and explain their classification and subtypes.	C2	Must Know	Lecture, interactive discussion	Short answer questions, quizzes	Written exams, MCQs	Dermatology
HomUG-PM III.96.02		Knows how	Aetiological factors for eczema and dermatitis	Identify the causes and triggers of eczema and dermatitis.	C3	Must Know	Case-based learning, discussion	Case scenarios, concept maps	Written exams, MCQs	Dermatology, Immunology
HomUG-PM III.96.03		Knows	Pathophysiology of eczema and dermatitis	Explain the underlying mechanisms of eczema and dermatitis.	C2	Must Know	Lecture, visual aids	Pathophysiology mapping exercises	Written exams, MCQs	Pathology, Immunology

HomUG-PM III.96.04		Knows how	Clinical features of eczema and dermatitis	Identify key clinical features and differentiate between types of eczema.	C3	Must Know	Case-based discussion	Clinical scenario analysis	OSCE, clinical examination	Dermatology
HomUG-PM III.96.05		Knows	Classification/ types of eczema and dermatitis	Classify eczema and dermatitis based on clinical features and aetiology.	C2	Must Know	Lecture, case studies	Classification exercises, discussions	Written exams, MCQs	Dermatology
HomUG-PM III.96.06		Knows how	Diagnostic evaluation of eczema and dermatitis	Develop a diagnostic approach using history, clinical signs, and investigations.	C3	Must Know	Case-based learning, lab sessions	Diagnostic strategy exercises	OSCE, practical exams	Dermatology, Immunology
HomUG-PM III.96.07		Knows how	Management plan for eczema and dermatitis	Formulate a comprehensive treatment plan including pharmacological and non-pharmacological measures.	C3	Desirable to Know	Case-based discussions, role-play	Management plan exercises	Case presentations, management strategies	Dermatology, Pharmacology
HomUG-PM III.96.08		Knows how	Patient education on preventive measures	Educate patients about preventing flare-ups and maintaining skin health.	C3	Must Know	Patient education, role-play	Patient education scenarios		Dermatology, Public Health
HomUG-PM III.96.09		Knows how	Complications of eczema and dermatitis	Identify and manage complications arising from eczema and dermatitis.	C3	Must Know	Case studies, interactive sessions	Complication identification exercises	OSCE, clinical case discussions	Dermatology, Microbiology
HomUG-PM III.96.10	Homoeopathic orientation	Knows how	Remedies like Graphites, Sulphur, Petroleum, and Natrum mur based on totality of symptoms.	Select appropriate homoeopathic remedies for eczema and dermatitis.	C3	Must Know	Homoeopathic case studies	Remedy selection exercises	Clinical homoeopathic assessment	Homoeopathy, Dermatology
HomUG-PM III.96.11	Knowledge and Scholarship	Knows how	Regular follow-ups to assess response and adjust management accordingly.	Evaluate treatment outcomes and ensure optimal patient care.	C3	Must Know	Follow-up consultations	Progress tracking exercises	OSCE, clinical case reviews	Dermatology, Homoeopathy

HomUG-PM III.96.12		Knows how	Referral to immunologists or allergists for severe or refractory cases.	Collaborate with specialists for complex or chronic cases.	C3	Desirable to Know	Interdisciplinary case discussions	Team-based evaluations		Dermatology, Immunology
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Sl. No	Competency	Millers Level: Does/Shows how/ Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Disorders of sebaceous glands: Acne

HomUG-PM III.97.01	Knowledge and Scholarship	Knows	Definition, prevalence, and age-related distribution of acne.	Define acne and explain its common epidemiological features.	C2	Must Know	Lecture, interactive discussion	Short answer questions, quizzes	Written exams, MCQs	Dermatology
HomUG-PM III.97.02		Knows	Pathophysiology of acne	Explain the underlying mechanisms of acne development.	C2	Must Know	Lecture, visual aids	Pathophysiology mapping exercises	Written exams, MCQs	Physiology, Pathology
HomUG-PM III.97.03		Knows how	Classification and clinical features	Recognize various types of acne and describe their clinical presentation.	C3	Must Know	Case-based learning, clinical images	Clinical scenario discussions	OSCE, clinical examination	Dermatology
HomUG-PM III.97.04		Knows how	Aggravating and triggering factors for acne	Identify factors that contribute to acne flare-ups.	C3	Must Know	Lecture, group discussion	Case-based analysis	Written exams, MCQs	Dermatology, Endocrinology
HomUG-PM III.97.05		Knows how	Diagnostic evaluation for acne	Formulate a diagnostic approach for evaluating acne severity and causes.	C3	Must Know	Case studies, lab sessions	Diagnostic strategy exercises	OSCE, practical exams	Dermatology, Endocrinology

HomUG-PM III.97.06		Knows how	Management plan	Create a comprehensive treatment plan for acne tailored to severity.	C3	Desirable to Know	Case-based discussion, role-play	Management plan exercises	Case presentations, management strategies	Dermatology, Pharmacology
HomUG-PM III.97.07		Knows how	Preventive measures for acne	Counsel patients on prevention strategies and lifestyle modifications for acne.	C3	Must Know	Patient education, role-play	Patient education scenarios		Dermatology, Internal medicine
HomUG-PM III.97.08		Knows how	Complications of acne	Identify and address potential complications of acne.	C3	Desirable to Know	Case-based learning, discussion	Complication identification exercises	OSCE, clinical discussions	Pathology, Dermatology, Internal medicine
HomUG-PM III.97.09	Homoeopathic orientation	Knows how	Remedies like Hepar sulph, Sulphur, Silicea, Kali bromatum, and Natrum mur based on symptoms.	Prescribe appropriate homoeopathic remedies based on the totality of symptoms.	C3	Must Know	Homoeopathic case studies	Remedy selection exercises	Clinical homoeopathic assessments	Homoeopathy, Dermatology
HomUG-PM III.97.10	Knowledge and Scholarship	Knows how	Regular follow-ups to evaluate the response to treatment and adjust interventions accordingly.	Ensure optimal treatment outcomes by tailoring management to patient needs.	C3	Must Know	Follow-up consultations	Progress tracking exercises	OSCE, case-based discussions	Dermatology, Homoeopathy

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Urticaria and Angioedema										
HomUG-PM III.98.01	Knowledge and Scholarship	Knows	Definition of urticaria (hives) and angioedema, with differentiation between the two.	Define urticaria and angioedema and differentiate between them based on clinical features.	C2	Must Know	Lecture, interactive discussion	Short answer questions, quizzes	Written exams, MCQs	Dermatology, Immunology
HomUG-PM III.98.02		Knows	Pathophysiology of urticaria and angioedema	Explain the underlying mechanisms leading to urticaria and angioedema.	C2	Must Know	Lecture, visual aids	Concept mapping exercises	Written exams, MCQs	Dermatology, Immunology
HomUG-PM III.98.03		Knows how	Clinical types and triggers of urticaria and angioedema	Recognize types of urticaria and angioedema and identify potential triggers.	C3	Must Know	Case-based learning, clinical images	Clinical scenario discussions	OSCE, clinical examination	Dermatology, Immunology
HomUG-PM III.98.04		Knows how	Diagnostic plan for urticaria and angioedema	Formulate an appropriate diagnostic approach for urticaria and angioedema cases.	C3	Must Know	Case studies, lab sessions	Diagnostic exercises	OSCE, practical exams	Dermatology, Immunology
HomUG-PM III.98.05		Knows how	Acute and chronic management of urticaria and angioedema	Create a management plan for acute and chronic cases of urticaria and angioedema.	C3	Must Know	Case-based discussion, role-play	Management plan exercises	Case presentations, management strategies	Dermatology, Pharmacology
HomUG-PM III.98.06		Knows how	Complications and emergency management	Identify complications and manage emergencies associated with urticaria and angioedema.	C3	Must Know	Simulation-based training	Emergency response drills	OSCE, clinical discussions	Dermatology, Emergency Medicine

HomUG-PM III.98.07		Knows how	Lifestyle modifications and prevention	Counsel patients on prevention strategies and lifestyle modifications for recurrence.	C3	Must Know	Patient education, role-play	Patient education scenarios		Dermatology, Public Health
HomUG-PM III.98.08	Homoeopathic orientation	Knows how	Remedies like Apis mellifica, Urtica urens, Sulphur, Rhus tox, and Histaminum.	Prescribe appropriate homoeopathic remedies based on the totality of symptoms.	C3	Desirable to Know	Homoeopathic case studies	Remedy selection exercises	Clinical homoeopathic assessments	Homoeopathy, Dermatology
HomUG-PM III.98.09	Knowledge and Scholarship	Knows how	Regular follow-ups to evaluate the response to treatment and adjust interventions.	Ensure optimal outcomes by tailoring management to patient needs.	C3	Desirable to Know	Follow-up consultations	Progress tracking exercises	OSCE, case-based discussions	Dermatology, Homoeopathy
HomUG-PM III.98.10		Knows how	Referral to allergists for advanced management, and psychologists for stress-related urticaria.	Collaborate with specialists to manage chronic or complicated cases of urticaria.	C3	Desirable to Know	Interdisciplinary case discussions	Team-based evaluations		Dermatology, Internal medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Papulosquamous Disorders -Psoriasis										

HomUG-PM III.99.01	Knowledge and Scholarship	Knows	Definition and classification of psoriasis	Define psoriasis and classify its clinical subtypes.	C2	Must Know	Lecture, visual aids	Short answer questions, quizzes	Written exams, MCQs	Dermatology
HomUG-PM III.99.02		Knows	Aetiopathogenesis of psoriasis	Describe the immunological and genetic factors contributing to psoriasis.	C2	Must Know	Lecture, animations, interactive sessions	Quizzes, group discussions	Written exams, MCQs	Pathology, Immunology
HomUG-PM III.99.03		Knows how	Clinical features and presentation of psoriasis	Identify clinical features of various types of psoriasis.	C3	Must Know	Case-based learning, clinical images	Image-based quizzes, spot diagnosis	OSCE, clinical diagnosis	Dermatology
HomUG-PM III.99.04		Knows how	Diagnostic evaluation for psoriasis	Formulate a diagnostic plan for suspected psoriasis cases.	C3	Must Know	Case studies, histopathological slides	Diagnostic exercises	OSCE, practical exams	Dermatology, Pathology, Internal medicine
HomUG-PM III.99.05		Knows how	Conventional management options for psoriasis	Create a management plan for psoriasis based on severity and patient factors.	C3	Desirable to Know	Case-based discussions, role-play	Management strategy exercises	Case presentations, written exams	Dermatology, Pharmacology
HomUG-PM III.99.06		Knows how	Complications of psoriasis	Identify potential complications associated with psoriasis.	C3	Must Know	Lecture, interactive discussions	Case discussions	Written exams, OSCE	Dermatology, Rheumatology, Internal medicine
HomUG-PM III.99.07		Knows how	Stress management and lifestyle modifications and triggers.	Counsel patients on managing triggers and adopting a psoriasis-friendly lifestyle.	C3	Must Know	Patient education, role-play	Counselling scenario evaluations		Dermatology, Public Health
HomUG-PM III.99.08	Homoeopathic orientation	Knows how	Remedies like Arsenicum album, Graphites, Sulphur, Petroleum, Psorinum, and Sepia.	Prescribe individualized homoeopathic remedies based on totality of symptoms.	C3	Must Know	Homoeopathic case studies	Remedy selection exercises	Clinical homoeopathic assessments	Homoeopathy, Dermatology

HomUG-PM III.99.09	Knowledge and Scholarship	Knows how	Evaluation of treatment response	Demonstrate effective follow-up care and management modification for psoriasis patients.	C3	Must Know	Follow-up case discussions	Progress tracking exercises	OSCE, clinical discussions	Dermatology, Homoeopathy
HomUG-PM III.99.10		Knows how	Collaborating with rheumatologists, psychiatrists, and dieticians for comprehensive care.	Develop a holistic management plan involving interdisciplinary collaboration.	C3	Must Know	Interdisciplinary case discussions	Team-based evaluations		Dermatology, Internal medicine

Sl. No	Competency	Millers Level: Does/Shows how/ Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Lichen Planus

HomUG-PM III.100.01	Knowledge and Scholarship	Knows	Definition and classification of Lichen Planus	Define lichen planus and classify its clinical forms.	C2	Must Know	Lecture, visual aids	Short answer questions, quizzes	Written exams, MCQs	Dermatology
HomUG-PM III.100.02		Knows	Aetiopathogenesis of lichen planus	Describe the pathophysiological and immunological mechanisms in lichen planus.	C2	Must Know	Lecture, interactive discussions	Quizzes, group discussions	Written exams, MCQs	Pathology, Immunology
HomUG-PM III.100.03		Knows how	Clinical features of lichen planus	Identify the clinical features and variations of lichen planus.	C3	Must Know	Case-based learning, clinical images	Image-based quizzes, spot diagnosis	OSCE, clinical diagnosis	Dermatology

HomUG-PM III.100.04		Knows how	Diagnostic approach to lichen planus	Formulate a diagnostic approach to confirm lichen planus.	C3	Must Know	Case studies, histopathological slides	Diagnostic exercises	OSCE, practical exams	Dermatology, Pathology
HomUG-PM III.100.05		Knows how	Conventional management options for lichen planus	Create a management plan based on disease severity and symptoms.	C3	Desirable to Know	Case-based discussions, role-play	Management strategy exercises	Case presentations, written exams	Dermatology, Pharmacology
HomUG-PM III.100.06		Knows how	Complications and systemic associations of lichen planus	Identify complications and systemic conditions associated with lichen planus.	C3	Must Know	Lecture, interactive discussions	Case discussions	Written exams, OSCE	Dermatology, Internal Medicine
HomUG-PM III.100.07		Knows how	Education about lifestyle modifications and triggers	Counsel patients on lifestyle modifications to manage lichen planus effectively.	C3	Must Know	Patient education, role-play	Counselling scenario evaluations		Dermatology, Public Health
HomUG-PM III.100.08	Homoeopathic orientation	Knows how	Remedies like Arsenicum album, Graphites, Natrum muriaticum, Sepia, and Sulphur.	Prescribe individualized homoeopathic remedies based on the totality of symptoms.	C3	Must Know	Homoeopathic case studies	Remedy selection exercises	Clinical homoeopathic assessments	Homoeopathy, Dermatology
HomUG-PM III.100.09	Knowledge and Scholarship	Knows how	Treatment response and modification of management as needed.	Demonstrate effective follow-up care and management for lichen planus patients.	C3	Must Know	Follow-up case discussions	Progress tracking exercises	OSCE, clinical discussions	Dermatology, Homoeopathy
HomUG-PM III.100.10		Knows how	Collaboration with dentists, psychiatrists, and gastroenterologists for systemic or oral cases.	Develop a holistic management plan involving interdisciplinary collaboration.	C3	Desirable to Know	Interdisciplinary case discussions	Team-based evaluations		Dermatology, Internal Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Pigment disorders of Skin										
HomUG-PM III.101.01	Knowledge and Scholarship	Knows	Definition and classification of pigment disorders	Define pigment disorders and classify them into hyperpigmented, hypopigmented, and depigmented conditions.	C2	Must Know	Lecture, visual aids	Short answer questions, quizzes	Written exams, MCQs	Dermatology
HomUG-PM III.101.02		Knows	Aetiopathogenesis of pigment disorders	Explain the mechanisms of melanin production and the causes of pigmentary changes.	C2	Must Know	Lecture, discussions	Quizzes, group discussions	Written exams, MCQs	Dermatology, Pathology, Immunology
HomUG-PM III.101.03		Knows how	Clinical features of common pigment disorders	Recognize clinical presentations of common hyperpigmented and hypopigmented skin disorders.	C3	Must Know	Case-based learning, clinical images	Image-based quizzes, spot diagnosis	OSCE, clinical diagnosis	Dermatology
HomUG-PM III.101.04		Knows how	Diagnostic approach to pigment disorders	Formulate a diagnostic approach to pigmentary disorders based on clinical and laboratory findings.	C3	Must Know	Clinical demonstrations, discussions	Diagnostic exercises	OSCE, practical exams	Dermatology, Pathology

HomUG-PM III.101.05		Knows how	Conventional management of pigment disorders	Develop a treatment plan using conventional therapies for pigment disorders.	C3	Desirable to know	Case-based discussions	Management strategy exercises	Case presentations, written exams	Dermatology, Pharmacology
HomUG-PM III.101.06		Knows how	Complications and psychosocial impact of pigment disorders	Identify complications and address the psychosocial impact of pigmentary disorders.	C3	Must Know	Interactive discussions, role-play	Case discussions	Written exams, OSCE	Dermatology, Psychiatry
HomUG-PM III.101.07		Knows how	Counselling and lifestyle modifications	Educate patients on preventive measures and lifestyle changes to manage pigment disorders.	C3	Must Know	Patient education, role-play	Counselling scenario evaluations		Dermatology, Public Health
HomUG-PM III.101.08	Homoeopathic orientation	Does	Remedies like Sepia, Thuja, Arsenicum sulphuratum flavum, Natrum muriaticum, and Sulphur.	Prescribe individualized homoeopathic remedies based on the totality of symptoms.	C3	Must Know	Homoeopathic case studies	Remedy selection exercises	Clinical homoeopathic assessments	Homoeopathy, Dermatology
HomUG-PM III.101.09	Knowledge and Scholarship	Shows how	Regular follow-ups to assess treatment efficacy and make adjustments as needed.	Demonstrate effective follow-up and management of patients with pigment disorders.	C3	Must Know	Follow-up case discussions	Progress tracking exercises	OSCE, clinical discussions	Dermatology, Homoeopathy
HomUG-PM III.101.10		Shows how	Collaboration with psychiatrists, genetic counsellors, and dermatologists for complex cases.	Formulate interdisciplinary approaches for patients with pigment disorders.	C3	Desirable to know	Interdisciplinary case discussions	Team-based evaluations		Dermatology, Internal Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/Knows	Content	SLO	Blooms Domain / Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Disorders of Hair										
HomUG-PM III.102.0 1	Knowledge and Scholarship	Knows	Definition of hair disorders and their classification	Define hair disorders and classify them into categories such as alopecia, hirsutism, and others.	C2	Must Know	Lecture, visual aids	Short answer questions, quizzes	Written exams, MCQs	Dermatology
HomUG-PM III.102.0 2		Knows	Aetiopathogenesis of common hair disorders	Explain the causes and pathophysiology of common hair disorders such as alopecia.	C2	Must Know	Lecture, case-based discussions	Group discussions, quizzes	Written exams, MCQs	Dermatology, Endocrinology, Internal medicine
HomUG-PM III.102.0 3		Knows how	Clinical features of common hair disorders	Recognize clinical presentations of hair disorders in various clinical scenarios.	C3	Must Know	Case-based learning, clinical images	Image-based quizzes, spot diagnosis	OSCE, clinical diagnosis	Dermatology

HomUG-PM III.102.04		Knows how	Diagnostic approach to hair disorders	Formulate a diagnostic approach for evaluating hair disorders based on clinical history and tests.	C3	Must Know	Clinical demonstrations, discussions	Diagnostic exercises	OSCE, practical exams	Dermatology, Pathology
HomUG-PM III.102.05		Knows how	Conventional management of hair disorders	Develop a treatment plan for hair disorders, utilizing both medical and surgical options.	C3	Desirable to Know	Case-based discussions, demonstrations	Management strategy exercises	Case presentations, written exams	Dermatology, Pharmacology, Internal medicine
HomUG-PM III.102.06		Knows how	Complications and psychosocial impact of hair disorders	Identify and address the psychosocial impact of hair disorders on patients.	C3	Must Know	Interactive discussions, role-play	Case discussions	Written exams, OSCE	Psychiatry, Dermatology
HomUG-PM III.102.07		Knows how	Counselling of patients on prevention and lifestyle modifications	Educate patients on effective prevention and lifestyle changes to manage hair disorders.	C3	Must Know	Patient education, role-play	Counselling scenario evaluations		Dermatology, Public Health
HomUG-PM III.102.08	Homoeopathic orientation	Knows how	Remedies like Thuja, Lycopodium, Natrum muriaticum, Phosphorus, and Silicea.	Prescribe individualized homoeopathic remedies based on the patient's symptoms and constitutional state.	C3	Desirable to Know	Homoeopathic case studies	Remedy selection exercises	Clinical homoeopathic assessments	Homoeopathy, Dermatology
HomUG-PM III.102.09	Knowledge and Scholarship	Knows how	Regular follow-ups to assess treatment efficacy and make adjustments as needed.	Demonstrate effective follow-up and management of patients with hair disorders.	C3	Desirable to Know	Follow-up case discussions	Progress tracking exercises	OSCE, clinical discussions	Dermatology, Homoeopathy
HomUG-PM III.102.10		Knows how	Collaboration with dermatologists, endocrinologists, psychologists, and	Formulate interdisciplinary care strategies for patients with hair disorders.	C3	Desirable to Know	Interdisciplinary case discussions	Team-based evaluations		Dermatology, Endocrinology, Internal medicine

			dietitians for complex cases.							
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Sl. No	Competency	Millers Level: Does/Shows how/ Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Disorders of Nail										
HomUG-PM III.103.01	Knowledge and Scholarship	Knows	Definition of disorders of nails and their classification	Define nail disorders and classify them into infectious, inflammatory, traumatic, and systemic causes.	C2	Must Know	Lecture, visual aids	Short answer questions, quizzes	Written exams, MCQs	Dermatology
HomUG-PM III.103.02		Knows	Aetiopathogenesis of common nail disorders	Explain the underlying causes and mechanisms of common nail disorders like onychomycosis and koilonychia.	C2	Must Know	Lecture, case-based discussions	Group discussions, quizzes	Written exams, MCQs	Dermatology, Pathology, Internal medicine
HomUG-PM III.103.03		Knows how	Clinical features of common nail disorders	Recognize clinical presentations of various nail disorders in patient cases or images.	C3	Must Know	Case-based learning, clinical images	Image-based quizzes, spot diagnosis	OSCE, clinical diagnosis	Dermatology

HomUG-PM III.103.04		Knows how	Diagnostic tools: nail scrapings, KOH mount, fungal culture, biopsy, and systemic workup.	Formulate a diagnostic approach for evaluating nail disorders based on history and lab investigations.	C3	Must Know	Clinical demonstrations, discussions	Diagnostic exercises	OSCE, practical exams	Dermatology, Pathology, Internal medicine
HomUG-PM III.103.05		Knows how	Conventional management of nail disorders	Develop treatment plans for nail disorders using conventional therapies.	C3	Desirable to Know	Case-based discussions, demonstrations	Management strategy exercises	Case presentations, written exams	Dermatology, Pharmacology
HomUG-PM III.103.06		Knows how	Complications and systemic associations of nail disorders	Identify complications and associated systemic diseases linked to nail disorders.	C3	Must Know	Interactive discussions, case studies	Case discussions	Written exams, OSCE	Dermatology, Internal Medicine
HomUG-PM III.103.07		Knows how	Counselling of patients on prevention and nail care	Educate patients on preventive measures and nail care for managing nail disorders.	C3	Must Know	Patient education, role-play	Counselling scenario evaluations		Dermatology, Public Health
HomUG-PM III.103.08	Homoeopathic orientation	Knows how	Remedies like Graphites, Silicea, Thuja, Antimonium crudum, and Fluoric acid.	Prescribe homoeopathic remedies tailored to the patient's symptoms and constitution.	C3	Must Know	Homoeopathic case studies	Remedy selection exercises	Clinical homoeopathic assessments	Homoeopathy, Dermatology
HomUG-PM III.103.09	Knowledge and Scholarship	Knows how	Regular follow-ups, monitoring for improvement or complications, and modifying treatments.	Demonstrate effective follow-up and management for patients with nail disorders.	C3	Must Know	Follow-up case discussions	Progress tracking exercises	OSCE, clinical discussions	Dermatology, Homoeopathy
HomUG-PM III.103.10		Knows how	Collaboration with dermatologists, endocrinologists,	Formulate interdisciplinary strategies for managing complex nail disorders.	C3	Desirable to Know	Interdisciplinary case discussions	Team-based evaluations		Dermatology, Internal Medicine

			and pathologists for complex cases.							
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Gonorrhoea										
HomUG-PM III.104.01	Knowledge an Scholarship	Knows	Definition, aetiology, transmission modes, and risk factors.	Define gonorrhoea and identify its causative organism, modes of transmission, and risk factors.	C2	Must Know	Lecture, visual aids	Short answer questions, quizzes	Written exams, MCQs	Microbiology, Pathology
HomUG-PM III.104.02		Knows	Pathophysiology of gonorrhoea	Explain the pathophysiological process of gonorrhoea infection.	C2	Must Know	Lecture, discussions	Group discussions, quizzes	Written exams, MCQs	Microbiology, Pathology
HomUG-PM III.104.03		Knows how	Clinical features of gonorrhoea	Recognize clinical presentations of gonorrhoea in both males and females.	C3	Must Know	Case-based learning, clinical images	Image-based quizzes, spot diagnosis	OSCE, clinical diagnosis	Microbiology, Internal Medicine

HomUG-PM III.104.04		Knows how	Diagnostic approaches to gonorrhoea	Formulate a diagnostic approach for evaluating gonorrhoea.	C3	Must Know	Clinical demonstrations, discussions	Diagnostic exercises	OSCE, practical exams	Microbiology, Pathology
HomUG-PM III.104.05		Shows how	Conventional management of gonorrhoea	Develop a treatment plan for gonorrhoea using current guidelines.	C3	Must Know	Case-based discussions, role-play	Management strategy exercises	Case presentations, written exams	Microbiology, Pharmacology
HomUG-PM III.104.06		Knows how	Complications and systemic associations of gonorrhoea	Identify potential complications and systemic effects of untreated gonorrhoea.	C3	Must Know	Interactive discussions, case studies	Case discussions	Written exams, OSCE	Internal Medicine, Gynaecology
HomUG-PM III.104.07		Knows how	Counselling of patients on prevention of gonorrhoea	Educate patients on preventive measures and risk reduction strategies for gonorrhoea.	C3	Must Know	Patient education, role-play	Counselling scenario evaluations		Public Health, Gynaecology
HomUG-PM III.104.08	Homoeopathic orientation	Knows how	Remedies like Medorrhinum, Thuja, Mercurius solubilis, Nitric acid, and Pulsatilla.	Prescribe homoeopathic remedies tailored to the patient's symptoms and constitution.	C3	Must Know	Homoeopathic case studies	Remedy selection exercises	Clinical homoeopathic assessments	Homoeopathy, Dermatology
HomUG-PM III.104.09	Knowledge and Scholarship	Knows how	Follow-ups, monitoring for symptom resolution, managing complications.	Demonstrate effective follow-up and management for patients treated for gonorrhoea.	C3	Must Know	Follow-up case discussions	Progress tracking exercises	OSCE, clinical discussions	Internal Medicine, Homoeopathy
HomUG-PM III.104.10		Knows how	Collaboration with gynaecologists, dermatologists, and infectious disease specialists.	Formulate interdisciplinary strategies for managing complex cases of gonorrhoea.	C3	Desirable to Know	Interdisciplinary case discussions	Team-based evaluations		Internal Medicine, Gynaecology

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain / Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Syphilis										
HomUG-PM III.105.01	Knowledge and Scholarship	Knows	Definition, aetiology and transmission	Define syphilis and explain its causative organism and transmission modes.	C2	Must Know	Lecture, visual aids	Short answer questions, quizzes	Written exams, MCQs	Microbiology, Pathology
HomUG-PM III.105.02		Knows	Mechanisms of infection	Describe the pathophysiological changes in syphilis infection.	C3	Must Know	Lecture, discussions	Group discussions, quizzes	Written exams, MCQs	Microbiology, Pathology
HomUG-PM III.105.03		Knows how	Clinical stages and cardiovascular involvement.	Recognize the clinical features and progression of syphilis across its stages.	C3	Must Know	Case-based learning, clinical images	Image-based quizzes, spot diagnosis	OSCE, clinical diagnosis	Microbiology, Internal Medicine
HomUG-PM III.105.04		Knows how	Diagnostic tools.	Choose appropriate diagnostic methods for syphilis.	C3	Must Know	Clinical demonstrations, discussions	Diagnostic exercises	OSCE, practical exams	Microbiology, Pathology
HomUG-PM III.105.05		Knows how	conventional management of syphilis	Develop treatment plans for syphilis using established guidelines.	C3	Desirable to Know	Case-based discussions, role-play	Management strategy exercises	Case presentations, written exams	Pharmacology Internal Medicine

HomUG-PM III.105.06		Knows how	complications of untreated syphilis	Identify complications of untreated syphilis and their impact on health.	C3	Must Know	Interactive discussions, case studies	Case discussions	Written exams, OSCE	Neurology, Internal Medicine
HomUG-PM III.105.07		Knows how	Counselling on prevention and contact tracing for syphilis	Educate patients about preventive measures and the importance of partner management.	C3	Must Know	Patient education, role-play	Counselling scenario evaluations		Public Health, Gynaecology
HomUG-PM III.105.08	Homoeopathic orientation	Knows how	Remedies like Mercurius solubilis, Syphilinum, Aurum metallicum, Nitric acid.	Prescribe appropriate homoeopathic remedies based on patient symptoms and history.	C3	Must Know	Homoeopathic case studies	Remedy selection exercises	Clinical homoeopathic assessments	Homoeopathy Dermatology
HomUG-PM III.105.09	Knowledge and Scholarship	Knows how	Follow-up after antibiotic treatment, managing acute inflammatory responses	Monitor patients for effective treatment and manage post-treatment reactions (Jarisch-Herxheimer reaction).	C3	Must Know	Follow-up case discussions	Progress tracking exercises	OSCE, clinical discussions	Internal Medicine, Homoeopathy
HomUG-PM III.105.10		Knows how	Collaboration with dermatologists, neurologists, infectious disease specialists, gynaecologists.	Formulate interdisciplinary strategies for comprehensive management of syphilis.	C3	Desirable to Know	Interdisciplinary case discussions	Team-based evaluations		Internal Medicine, Neurology

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
HIV										
HomUG-PM III.106.01	Knowledge and Scholarship	Knows	Definition, global and regional epidemiology, modes of transmission.	Explain the basics of HIV and describe its transmission methods.	C2	Must Know	Lecture, videos	Short answer questions, quizzes	Written exams, MCQs	Public Health, Microbiology
HomUG-PM III.106.02		Knows	Structure and Replication cycle of HIV	Describe the structure of HIV and its replication process.	C2	Must Know	Diagrams, videos	Diagram labelling, quizzes	Written exams, viva	Microbiology, Pathology
HomUG-PM III.106.03		Knows how	Pathogenesis of HIV and its impact on immunity	Explain how HIV affects the immune system and causes immunodeficiency.	C3	Must Know	Case-based learning, discussions	Case study discussions, group activities	OSCE, written exams	Pathology, Immunology
HomUG-PM III.106.04		Knows how	Clinical stages of HIV	Recognize the clinical progression and stages of HIV infection.	C3	Must Know	Clinical discussions, case presentations	Stage-based quizzes, spot diagnosis	OSCE, clinical diagnosis	Internal Medicine
HomUG-PM III.106.05		Knows how	diagnostic methods for HIV	Choose appropriate diagnostic methods for different stages of HIV infection.	C3	Must Know	Practical demonstrations, role-play	Diagnostic exercises	OSCE, practical exams	Microbiology, Pathology
HomUG-PM III.106.06		Knows how	ART (Antiretroviral Therapy) and its principles	Explain the principles of ART and develop treatment strategies for HIV patients.	C3	Desirable to Know	Lecture, discussions, case studies	Case-based exercises	Written exams, case presentations	Pharmacology, Internal Medicine

HomUG-PM III.106.07		Knows how	complications and opportunistic infections in HIV patients	Identify common opportunistic infections and manage complications of HIV.	C3	Must Know	Case studies, clinical discussions	Case discussions	OSCE, clinical diagnosis	Infectious Diseases
HomUG-PM III.106.08		Knows how	Counselling on prevention, safe practices, and stigma reduction	Educate patients about preventive measures and the importance of addressing stigma.	C3	Must Know	Role-play, group discussions	Counselling scenario evaluations		Public Health, Gynaecology
HomUG-PM III.106.09	Homoeopathic orientation	Knows how	Remedies like Ars. alb., Sulphur, Thuja, Nat. mur., and constitutional approaches.	Prescribe suitable homoeopathic remedies based on the patient's symptoms and constitution.	C3	Must Know	Homoeopathic case studies	Remedy selection exercises	Clinical homoeopathic assessments	Homoeopathy, Immunology
HomUG-PM III.106.10	Knowledge and Scholarship	Knows how	Regular monitoring of CD4 count, viral load, adherence counselling.	Monitor patient progress and ensure adherence to ART and homoeopathic remedies.	C3	Must Know	Case follow-ups, interdisciplinary meetings	Progress tracking exercises	OSCE, case presentations	Internal Medicine, Homoeopathy
HomUG-PM III.106.11		Knows how	Collaboration with infectious disease specialists, psychologists, dietitians, social workers.	Create a multidisciplinary approach for comprehensive HIV management.	C3	Desirable to Know	Interdisciplinary case discussions	Team-based evaluations		Internal Medicine, Public Health

Sl. No	Competency	Millers Level: Does/Shows how/Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/	T-L Methods	Assessment		Integration
								Formative	Summative	

		how/ Knows				nice to know				
Vesiculo-Bullous Disorders										
HomUG- PM III.107.01	Knowledge and Scholarship	Knows	Definition and classification of vesiculo bullous disorders	Classify and define various vesiculo-bullous disorders.	C2	Must Know	Lecture, diagrams	Short answer questions, quizzes	Written exams, MCQs	Dermatology, Pathology
HomUG- PM III.107.02		Knows	Pathogenesis of vesiculo bullous disorders	Describe the underlying mechanisms causing vesiculo-bullous lesions.	C2	Must Know	Diagrammatic explanations	Spot diagnosis, quizzes	Written exams, viva	Immunology, Pathology
HomUG- PM III.107.03		Knows how	Clinical features of common vesiculo-bullous disorders	Identify key clinical features of vesiculo- bullous disorders.	C3	Must Know	Case discussions, image-based learning	Case-based questions	OSCE, clinical diagnosis	Dermatology, Internal Medicine
HomUG- PM III.107.04		Knows how	Diagnostic methods for vesiculo-bullous disorders	Select appropriate diagnostic techniques for vesiculo-bullous disorders.	C3	Must Know	Practical demonstrations, case studies	Diagnostic exercises	OSCE, practical exams	Pathology, Dermatology
HomUG- PM III.107.05		Knows how	Principles of management for vesiculo-bullous disorders	Explain therapeutic approaches for vesiculo- bullous disorders.	C3	Desirable to Know	Clinical discussions, case presentations	Case-based learning	OSCE, case- based questions	Pharmacology, Internal Medicine
HomUG- PM III.107.06		Knows how	Complications of vesiculo-bullous disorders	Identify potential complications and manage them effectively.	C3	Must Know	Case-based discussions	Case discussions	OSCE, clinical scenarios	Internal Medicine, Surgery
HomUG- PM III.107.07		Knows how	Counselling patients about prognosis and lifestyle adjustments	Educate patients on disease management and self-care.	C3	Desirable to Know	Role-play, group discussions	Counselling scenario evaluations		Public Health, Psychology
HomUG- PM III.107.08	Homoeopathic orientation	Knows how	Remedies like Rhus tox., Sulphur,	Prescribe appropriate homoeopathic remedies	C3	Must Know	Homoeopathic case studies	Remedy selection exercises	Clinical homoeopathic assessments	Homoeopathy, Dermatology

			Graphites, Nat. mur., and individualized prescriptions.	based on symptoms and constitution.						
HomUG-PM III.107.09	Knowledge and Scholarship	Knows how	Monitoring clinical improvement, side effects of medications, and relapse prevention.	Assess patient response and revise therapeutic approach as necessary.	C3	Must Know	Case follow-ups, interdisciplinary discussions	Progress tracking exercises	OSCE, case presentations	Internal Medicine, Homoeopathy
HomUG-PM III.107.10		Knows how	Collaborating with dermatologists, immunologists, psychologists, and nutritionists.	Formulate a comprehensive care plan involving multidisciplinary inputs.	C3	Must Know	Interdisciplinary meetings	Team-based evaluations		Dermatology, Internal Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Vitiligo										
HomUG-PM III.108.01	Knowledge and Scholarship	Knows	Definition and classification of vitiligo.	Identify the clinical and morphological types of vitiligo.	C2	Must Know	Lecture, diagrams	Short answer	Written exams, MCQs	Dermatology

								questions, quizzes		
HomUG-PM III.108.02		Knows	Pathogenesis of vitiligo	Describe the underlying mechanisms contributing to depigmentation in vitiligo.	C2	Must Know	Diagrammatic explanations	Spot diagnosis, quizzes	Written exams, viva	Immunology, Pathology
HomUG-PM III.108.03		Knows how	Clinical features of vitiligo	Identify key clinical signs and symptoms of vitiligo.	C3	Must Know	Case discussions, image-based learning	Case-based questions	OSCE, clinical diagnosis	Internal Medicine, Dermatology
HomUG-PM III.108.04		Knows how	Diagnostic methods for vitiligo	Choose appropriate diagnostic techniques for confirming vitiligo.	C3	Must Know	Practical demonstrations, case studies	Diagnostic exercises	OSCE, practical exams	Pathology, Dermatology
HomUG-PM III.108.05		Knows how	Management strategies for vitiligo	Explain therapeutic options and their indications for vitiligo treatment.	C3	Desirable to Know	Clinical discussions, case presentations	Case-based learning	OSCE, case-based questions	Pharmacology, Internal Medicine
HomUG-PM III.108.06		Knows how	Complications and psychosocial impacts of vitiligo	Recognize the psychosocial and physical impacts of vitiligo.	C3	Must Know	Group discussions, case-based scenarios	Case discussions	OSCE, clinical scenarios	Psychology, Dermatology
HomUG-PM III.108.07		Knows how	Counselling patients regarding prognosis and lifestyle adjustments	Educate patients on disease progression, coping mechanisms, and self-care practices.	C3	Desirable to Know	Role-play, group discussions	Counselling scenario evaluations		Public Health, Psychology
HomUG-PM III.108.08	Homoeopathic orientation	Knows how	Remedies such as Arsenicum sulph., Sepia, Natrum mur., Silicea, and individualized prescriptions.	Prescribe homoeopathic remedies based on constitutional and miasmatic factors.	C3	Desirable to Know	Homoeopathic case studies	Remedy selection exercises	Clinical homoeopathic assessments	Homoeopathy, Dermatology

HomUG-PM III.108.09	Knowledge and Scholarship	Knows how	Evaluate repigmentation, side effects, and psychosocial adjustment during follow-up visits.	Assess response to therapy and make necessary adjustments to the treatment regimen.	C3	Must Know	Case follow-ups, interdisciplinary discussions	Progress tracking exercises	OSCE, case presentations	Internal Medicine, Homoeopathy
HomUG-PM III.108.10		Knows how	Collaboration with dermatologists, psychologists, nutritionists, and patient support groups.	Formulate a comprehensive care plan addressing medical and psychosocial aspects of vitiligo.	C3	Desirable to Know	Interdisciplinary meetings	Team-based evaluations		Dermatology, Public Health

COMPETENCY TABLES - PAEDIATRIC DISEASES

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
General										
Basic Paediatric Parameters										
HomUG-PM III.109.01	Knowledge and Scholarship	Knows	Growth charts, development milestones	Describe the parameters used to assess normal growth and development in children.	C2	Must Know	Lecture, charts, and video demonstrations	Quizzes, spot diagnosis	MCQs, viva	Paediatrics, Community Medicine
HomUG-PM III.109.02		Knows how	Measure height, weight, head circumference, mid-arm circumference	Demonstrate methods to measure growth parameters and interpret findings.	C3/P3	Must Know	Practical demonstration, small group teaching	Practical skill assessments	OSCE, practical examination	Paediatrics
HomUG-PM III.109.03		Knows	Identification of growth faltering, malnutrition, obesity	Outline the clinical relevance of growth monitoring and interpretation of growth charts.	C2	Must Know	Lecture, case-based learning	Quizzes, short answer questions	MCQs, written tests	Paediatrics, Community Medicine
Variation in Normal Development										
HomUG-PM III.109.04	Knowledge and Scholarship	Knows	Cognitive, motor, language, and social milestones	Recognize the range of normal developmental milestones across different ages.	C2	Must Know	Lecture, video-based learning	Quizzes, short answer questions	Written exams, case-based assessments	Paediatrics, Neurology

HomUG-PM III.109.05		Knows how	Variations such as constitutional growth delay, familial short stature, and others	Identify conditions where developmental delay might mimic normal variations.	C3	Must Know	Case discussions, small group discussions	Case-based questions, peer assessments	OSCE, clinical assessments	Paediatrics, Psychiatry
HomUG-PM III.109.06		Knows how	Factors influencing growth and development	Describe the influences of genetic, nutritional, environmental, and psychosocial factors on child growth and development.	C3	Must Know	Group discussion, lecture	Quizzes, group activities	Written exams, case discussions	Community Medicine, Paediatrics
Approach to a Sick Child										
HomUG-PM III.109.07	Knowledge and Scholarship	Knows	ABCD (Airway, Breathing, Circulation, Disability), history taking, rapid physical assessment	Summarize the steps in the primary and secondary evaluation of a sick child.	C2	Must Know	Lecture, demonstrations	Quizzes, short answer questions	Written exams, clinical scenario-based assessments	Paediatrics, Emergency Medicine
HomUG-PM III.109.08		Knows how	Principles of paediatric triage	Demonstrate the ability to prioritize care based on severity of illness.	P3	Desirable to Know	Practical demonstrations, simulations	Practical exercises	OSCE, clinical assessments	Emergency Medicine, Paediatrics
HomUG-PM III.109.09		Knows how	Systematic approach to analyzing history, examination, and basic investigations	Develop a list of probable diagnoses in a sick child.	C3	Must Know	Problem-based learning, case discussions	Case-based discussions	Clinical problem-solving exams	Paediatrics, Internal Medicine
HomUG-PM III.109.10		Knows how	Dehydration, fever, respiratory distress, seizures	Demonstrate management steps for common emergencies in children.	C3/ P2-3	Desirable to Know	Simulations, hands-on practice	Practical exercises	OSCE, clinical assessments	Paediatrics, Emergency Medicine

HomUG-PM III.109.11	Homoeopathic orientation	Knows how	Homoeopathic remedies for common paediatric complaints	Prescribe homoeopathic remedies based on presenting complaints and individualization.	C3	Must Know	Homoeopathic case studies	Remedy selection exercises	Clinical homoeopathic assessments	Homoeopathy, Paediatrics
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Growth and Development

Normal Growth and Development

HomUG-PM III.110.01	Knowledge and Scholarship	Knows	Growth patterns and developmental milestones	Describe the parameters for normal growth and development in children.	C2	Must Know	Lecture, visual aids	Quizzes, spot tests	MCQs, written tests	Paediatrics, Community Medicine
HomUG-PM III.110.02		Knows	Growth charts and percentile curves	Interpret growth charts and percentile curves to assess growth patterns.	C2	Must Know	Practical sessions, problem-solving exercises	Quizzes, short notes	OSCE, viva exams	Paediatrics, Community Medicine
HomUG-PM III.110.03		Knows	Developmental milestones for motor, cognitive, social, and language domains	Identify normal milestones at various ages and their range of variations.	C2	Must Know	Lecture, case discussions	Short-answer questions	Written exams, viva	Paediatrics, Neurology
HomUG-PM III.110.04		Knows	Factors influencing	Describe the multifactorial influences on normal growth and development.	C2	Must Know	Lecture, group discussions	MCQs, quizzes	Written exams	Paediatrics, Nutrition

			growth and development							
Disorders of Growth & Development										
HomUG-PM III.110.05	Knowledge and Scholarship	Knows	Definition and classification (organic vs. non-organic)	Define and classify failure to thrive based on underlying causes.	C2	Must Know	Lecture, case discussions	Quizzes, case scenarios	MCQs, case-based assessments	Paediatrics, Community Medicine
HomUG-PM III.110.06		Knows how	Poor weight gain, growth faltering, developmental delay	Recognize the clinical signs and symptoms indicative of failure to thrive.	C3	Must Know	Clinical demonstrations, problem-based learning	Short notes, quizzes	OSCE, practical assessments	Paediatrics, Nutrition
HomUG-PM III.110.07		Knows how	History-taking, physical examination, and investigations	Perform a systematic evaluation to identify the causes of FTT.	C3/ P2-3	Must Know	Case discussions, role-play scenarios	Case presentations	Clinical problem-solving exams	Paediatrics, Internal Medicine
HomUG-PM III.110.08		Knows	Domains of delay: motor, language, cognitive, social	Define delayed milestones and categorize based on developmental domains.	C2	Must Know	Lecture, visual aids	MCQs, short notes	Written exams	Paediatrics, Neurology
HomUG-PM III.110.09		Knows how	Clinical features of developmental delay	Recognize features of developmental delay in children of different ages.	C3	Must Know	Case-based learning, practical demonstrations	Spot diagnosis, quizzes	OSCE, viva	Paediatrics, Neurology
HomUG-PM III.110.10		Knows how	Management plan for FTT and delayed milestones	Develop an appropriate management plan based on the underlying causes.	C3	Must Know	Case discussions, simulation-based learning	Case scenarios, peer review	Clinical assessments, problem-solving exams	Paediatrics, Nutrition
Homoeopathic Approach										
HomUG-PM III.110.11	Homoeopathic orientation	Knows how	Individualized homeopathic	Prescribe suitable remedies based on presenting complaints and constitution.	C3	Desirable to Know	Homoeopathic case discussions	Remedy selection exercises	Clinical case assessments	Homoeopathic Therapeutics

			treatment in failure to thrive						
HomUG-PM III.110.12			Homeopathic remedies for delayed milestones	Select remedies considering constitutional, genetic, and environmental factors.	C3	Desirable to Know	Clinical discussions, case-based learning	Practical exercises	Viva, clinical problem-solving exams

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Behavioural Disorders										
Attention-Deficit/Hyperactivity Disorder (ADHD)										
HomUG-PM III.111.01	Knowledge and Scholarship	Knows	Definition, subtypes and diagnostic criteria of ADHD	Describe the diagnostic criteria and subtypes of ADHD.	C2	Must Know	Lecture, case discussion	Quizzes, MCQs	Written tests, viva	Psychiatry
HomUG-PM III.111.02		Knows how	Clinical features of ADHD	Identify symptoms and categorize them based on DSM-5 criteria.	C3/P2-3	Must Know	Case-based learning, practical sessions	Case scenarios, spot tests	OSCE, viva exams	Neurology, Psychiatry
HomUG-PM III.111.03		Knows how	Diagnostic evaluation for ADHD	Perform a structured evaluation to confirm the diagnosis of ADHD.	C3/P2-3	Must Know	Clinical demonstrations, role-play exercises	Clinical evaluations	Case-based assessments	Psychiatry, Internal medicine

HomUG-PM III.111.04		Knows how	Management strategies for ADHD	Discuss evidence-based interventions for ADHD and develop a management plan.	C3/P2-3	Must Know	Case discussions, simulation exercises	Group discussions	Clinical problem-solving exams	Psychiatry, Psychology
HomUG-PM III.111.05	Homoeopathic orientation	Knows how	Homeopathic management of ADHD	Prescribe individualized remedies for ADHD based on the totality of symptoms.	C3/P2-3	Desirable to Know	Clinical case studies, peer learning	Remedy selection exercises	Clinical case assessments	Homoeopathic Therapeutics
Anxiety Disorders in Children										
HomUG-PM III.111.06	Knowledge and Scholarship	Knows	Definition, types and diagnostic criteria of anxiety disorders in Children	Define anxiety disorders and describe their types in children.	C2	Must Know	Lecture, visual aids	MCQs, quizzes	Written tests	Psychiatry
HomUG-PM III.111.07		Knows how	Clinical features of anxiety disorders	Recognize the symptoms and presentation of anxiety disorders in children.	C3	Must Know	Case-based learning, problem-solving exercises	Quizzes, short-answer questions	OSCE, practical assessments	Psychiatry
HomUG-PM III.111.08		Knows how	Diagnostic evaluation for anxiety disorders	Conduct a comprehensive evaluation to diagnose anxiety disorders.	C3/P2-3	Must Know	Case discussions, practical demonstrations	Case presentations	Clinical problem-solving exams	Psychology, Psychiatry
HomUG-PM III.111.09		Knows how	Management strategies for anxiety disorders	Discuss evidence-based management approaches for anxiety disorders in children.	C3	Must Know	Group discussions, simulation-based learning	Group exercises, reflective discussions	Written tests, clinical assessments	Psychiatry, Psychology, Pharmacology
HomUG-PM III.111.10	Homoeopathic orientation	Knows how	Homoeopathic management of anxiety disorders in Children	Prescribe individualized remedies for anxiety disorders based on presenting symptoms and disposition.	C3	Desirable to Know	Clinical demonstrations, case-based learning	Practical exercises	Viva, clinical problem-solving exams	Homoeopathic Therapeutics

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Diseases of New born Infants										
Common Physiological Neonatal Conditions										
HomUG-PM III.112.01	Knowledge and Scholarship	Knows	Common physiological neonatal conditions	Describe the common physiological conditions in newborns and their self-limiting nature.	C2	Must Know	Lecture, illustrations	Quizzes, MCQs	SAQ, MCQ	Paediatrics, Neonatology
HomUG-PM III.112.02		Knows how	Differences of physiological and pathological conditions	Distinguish between physiological and pathological neonatal conditions.	C3	Must Know	Problem-based learning, case discussions	Spot tests, short-answer questions	OSCE, viva exams	Paediatrics, Neonatology
Neonatal Jaundice										
HomUG-PM III.112.03	Knowledge and Scholarship	Knows	Definition, types, and mechanisms	Outline the causes, mechanisms, and classification of neonatal jaundice.	C2	Must Know	Lecture, group discussion	MCQs, short tests	Written and oral exams	Paediatrics, Neonatology
HomUG-PM III.112.04		Knows how	Diagnostic evaluation of neonatal jaundice	Define the diagnostic evaluation for neonatal jaundice.	C3	Must Know	Clinical demonstrations, role-playing exercises	Practical evaluations	OSCE, case-based assessments	Paediatrics, Internal Medicine
HomUG-PM III.112.05		Knows how	Management of neonatal jaundice	Formulate management strategies for neonatal jaundice based on severity and aetiology.	C3	Must Know	Case-based discussions, simulation-based learning	Group discussions, reflective practice	Written exams, practical assessments	Paediatrics, Neonatology, Pharmacology, Homoeopathy
Birth Defects										

HomUG-PM III.112.06	Knowledge and Scholarship	Knows	Common birth defects	Identify and classify (genetic and Structural) common birth defects in newborns.	C2	Must Know	Lecture, visual aids	Quizzes, short-answer questions	Written and oral exams	Paediatrics, Genetics
HomUG-PM III.112.07		Knows how	Diagnostic approaches for birth defects	Outline the diagnostic approach for various birth defects.	C3	Must Know	Case discussions, problem-solving exercises	Quizzes, case presentations	Clinical problem-solving exams	Paediatrics, Neonatology
HomUG-PM III.112.08		Knows how	Management and counselling for birth defects	Develop a holistic management plan, including long-term care and family counselling.	C3	Must Know	Simulation-based learning, group discussions	Group exercises	Clinical case-solving exams	Paediatrics, Neonatology, Surgery
Neonatal Seizures										
HomUG-PM III.112.09	Knowledge and Scholarship	Knows	Definition, types, causes of Neonatal seizures	Describe the types and aetiologies of neonatal seizures.	C2	Must Know	Lecture, visual aids	MCQs, quizzes	Written and oral exams	Paediatrics, Neurology
HomUG-PM III.112.10		Knows how	Diagnostic evaluation of neonatal seizures	Demonstrate steps for diagnostic evaluation of neonatal seizures.	C3	Must Know	Clinical demonstrations, role-playing exercises	Practical evaluations	Case-based assessments	Paediatrics, Neurology
HomUG-PM III.112.11		Knows how	Management strategies for neonatal seizures	Formulate an evidence-based management strategy for neonatal seizures.	C3	Desirable to Know	Case-based learning, simulation exercises	Reflective discussions	Written tests, practical assessments	Paediatrics, Neurology, Pharmacology
Neonatal Hypothermia and Hyperthermia										
HomUG-PM III.112.12	Knowledge and Scholarship	Knows	Definitions, temperature regulation in newborns, and thresholds for diagnosis	Describe the thermoregulatory challenges and classification of hypo- and hyperthermia in neonates.	C2	Must Know	Lecture, visual aids	Quizzes, MCQs	Written exams	Paediatrics, Neonatology

HomUG-PM III.112.13	Knows how	Clinical features of neonatal hypothermia and hyperthermia	Recognize clinical presentations and implications of thermoregulation disorders.	C3	Must Know	Case-based learning, practical sessions	Case scenarios, short tests	OSCE, practical assessments	Paediatrics, Neonatology
HomUG-PM III.112.14	Knows how	Management strategies for neonatal hypothermia and hyperthermia	Develop a management plan for thermoregulation disorders in neonates.	C3	Must Know	Simulation-based learning, clinical discussions	Case presentations, group discussions	Written and clinical problem-solving exams	Paediatrics, Internal Medicine, Pharmacology

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Immunization in Children										
Introduction to Immunization										
HomUG-PM III.113.01	Knowledge and Scholarship	Knows	Concept of immunization and its importance in public health	Identify the purpose of immunization in preventing infectious diseases in children.	C2	Must Know	Lecture, interactive discussion	Short quizzes, MCQs	Written exams, case-based scenarios	Infectious Diseases, Immunology, Community Medicine
HomUG-PM III.113.02		Knows	Types of vaccines and their role in immunity	List and explain the different types of vaccines used in childhood immunization programs.	C2	Must Know	Lecture, visual aids	Quick tests, group discussion	Written exams, oral presentations	Pathology, Immunology, Community Medicine
National Immunization Schedule										
HomUG-PM III.113.03	Knowledge and Scholarship	Knows	National Immunization Schedule (NIS)	Explain the National Immunization Schedule and	C2	Must Know	Lecture, infographic presentations	MCQs, scenario-	Written exams,	Community Medicine

			and vaccines recommended for children	its significance in reducing childhood diseases.				based discussions	practical exams	
HomUG-PM III.113.04		Knows how	Importance of adherence to the immunization schedule	Discuss the effects of delayed or missed immunizations on child health and public safety.	C3	Must Know	Case studies, group discussions	Quizzes, interactive case scenarios	Clinical-based assessments	Infectious Disease, Community Medicine
Vaccine-Preventable Diseases										
HomUG-PM III.113.05	Knowledge and Scholarship	Knows How	Vaccine-preventable diseases in children	Describe the pathophysiology and clinical presentation of vaccine-preventable diseases.	C3	Must Know	Lecture, group discussions	Short-answer questions, group quizzes	Written exams, oral assessments	Infectious Diseases, Community Medicine
HomUG-PM III.113.06		Knows how	Role of vaccination on controlling outbreaks and reducing morbidity/mortality	Discuss how vaccines contribute to global health and control epidemics.	C3	Must Know	Interactive presentations, video sessions	Case-based discussions, written reflections	Practical assessments, quizzes	Paediatrics, Community Medicine
Adverse Effects of Vaccines										
HomUG-PM III.113.07	Knowledge and Scholarship	Knows how	Common reactions, severe reactions, and post-vaccination care	Identify the adverse effects following vaccination and formulate a response plan.	C3	Must Know	Clinical case discussions, role-playing exercises	Quizzes, scenario assessments	Clinical examinations, MCQs	Paediatrics, Immunology
HomUG-PM III.113.08		Knows how	Mild and severe vaccine-related side effects	Distinguish between normal and severe vaccine reactions.	C3	Must Know	Case discussions, clinical simulations	Spot tests, practical exams	Clinical case evaluations	Paediatrics, Immunology
Global Immunization and Vaccine Hesitancy										

HomUG-PM III.113.09	Knowledge and Scholarship	Knows	Global immunization efforts and challenges in childhood vaccination	Explain the global efforts and challenges in achieving universal immunization coverage.	C2	Must Know	Lecture, documentaries, case studies	MCQs, group presentations	Case study reports, oral exams	Paediatrics, Community Medicine
HomUG-PM III.113.10		Knows how	Vaccine hesitancy and ways to improve vaccine acceptance in communities	Define the strategies to increase vaccine acceptance among hesitant parents.	C3	Must Know	Interactive discussions, role-playing	Role-playing exercises, discussions	Written and oral exams, community-based assignments	Paediatrics, Community Medicine
HomUG-PM III.113.11	Homoeopathic orientation	Knows	Homoeopathic remedies supporting immune system health and post-vaccination care	Identify homoeopathic remedies that may assist in the management of post-vaccination reactions.	C3	Must Know	Lecture, case-based discussions	MCQs, quizzes on homoeopathic remedies	Case-based assessment, written exams	Homoeopathic Therapeutics
HomUG-PM III.113.12		Knows how	Homoeopathy in preventing vaccine-associated adverse effects	Explain how homoeopathic remedies may be used alongside vaccinations to alleviate common side effects.	C3	Must Know	Case-based learning, practical application	Case discussions, role-playing	Practical case assessments, written tests	

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								Formative	Summative	

Infectious diseases - approach to fever

HomUG-PM III.114.01	Knowledge and Scholarship	Knows	Definition of fever, physiology of thermoregulation, and comparison with hyperthermia	Define the fever Describe the pathophysiology and mechanisms leading to fever.	C2	Must Know	Lecture, interactive discussion	Short quizzes, MCQs	Written exams, case-based scenarios	Paediatrics, Internal Medicine
HomUG-PM III.114.02		Knows	Classification & types of fever patterns	Explain different fever patterns and their clinical significance.	C2	Must Know	Lecture, visual aids	Short-answer questions	Written exams	Internal Medicine, Infectious Diseases
HomUG-PM III.114.03		Knows how	Common causes of fever	List and categorize the various aetiologies of fever.	C3	Must Know	Case-based learning, interactive discussions	Spot quizzes, group activities	Written exams, practical exams	Internal Medicine, Pathology
HomUG-PM III.114.04		Knows how	Diagnostic approach to a patient presenting with fever	Outline the steps in evaluating a patient with fever, including laboratory and imaging studies.	C3	Must Know	Clinical demonstrations, case discussions	Clinical scenarios, role-playing	Case-based questions, practical exams	Internal Medicine, Pathology
HomUG-PM III.114.05		Knows how	The principles of managing fever	Discuss pharmacological and non-pharmacological management of fever.	C3	Must Know	Lecture, group discussions	MCQs, reflective discussions	Written exams, oral presentations	Internal Medicine, Pharmacology
HomUG-PM III.114.06		Knows how	Fever management for vulnerable populations	Develop individualized management plans for fever in high-risk groups.	C3	Nice to Know	Role-playing, clinical scenarios	Case-based assessments	OSCE, practical exams	Paediatrics, Geriatrics
HomUG-PM III.114.07		Knows how	Complications associated with prolonged or untreated fever	Recognize potential complications and implement preventive measures.	C3	Must Know	Case discussions, clinical teaching	Case scenario quizzes	Clinical assessments, MCQs	Internal Medicine, Paediatrics
HomUG-PM III.114.08		Homoeopathic orientation	Knows how	Homoeopathic case-taking for	Demonstrate a systematic case-taking approach for fever cases.	C3	Must Know	Role-playing, simulated case discussions	Case-based learning	Practical case assessments

			patients with fever							
HomUG-PM III.114.09		Knows how	Homoeopathic approach to fever management	Identify homoeopathic remedies suitable for different fever types and associated symptoms.	C3	Must Know	Lecture, remedy-based discussions	MCQs, quizzes on remedy selection	Written exams, oral exams	Homoeopathic materia medica & Therapeutics

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								Formative	Summative	

GI Disorders in Children

Diarrheal Disorders

HomUG-PM III.115.01	Knowledge and Scholarship	Knows	Definition of diarrhoea, acute vs. chronic, infectious and non-infectious causes	Explain the classification and common causes of diarrhoea in children.	C2	Must Know	Lecture, group discussion	MCQs, quizzes	Written exams	Paediatrics, Community Medicine
HomUG-PM III.115.02		Knows how	Mechanisms (osmotic, secretory, inflammatory), dehydration signs	Describe the underlying mechanisms and recognize clinical presentations of dehydration severity.	C3	Must Know	Lecture, case-based discussions	Case scenario analysis	Written exams, oral exams	Paediatrics, Internal Medicine
HomUG-PM III.115.03		Knows how	History taking, stool examination, rehydration	Develop a management plan based on severity and underlying aetiology of diarrhoea.	C3	Must Know	Clinical demonstrations, interactive sessions	Spot tests, case-based discussions	Practical exams, OSCE	Paediatrics, Pharmacology, Community Medicine

			therapy, antibiotic use							
HomUG-PM III.115.04	Homoeopathic orientation	Knows how	Remedies like Podophyllum, Aloe, Chamomilla based on symptom totality	Select homoeopathic remedies for diarrhoea based on presenting symptoms and modalities.	C3	Must Know	Case-based learning, remedy analysis	MCQs, case-based learning	Oral exams, written exams	Homoeopathic Therapeutics
Pica										
HomUG-PM III.115.05	Knowledge and Scholarship	Knows	Definition and associated conditions	Describe the causes and common presentations of pica in children.	C2	Must Know	Lecture, case discussions	MCQs, reflective questions	Written exams	Paediatrics, Community Medicine, Internal Medicine
HomUG-PM III.115.06		Knows how	Diagnostic approach and management of pica	Formulate an evaluation plan and management strategy for children with pica.	C3	Must Know	Clinical demonstrations, interactive sessions	Case-based learning, group discussions	Written exams, oral presentations	Paediatrics, Internal Medicine
HomUG-PM III.115.07	Homoeopathic orientation	Knows	Remedies such as Alumina, Calcarea Carbonica	Identify remedies suitable for pica based on underlying causes and associated symptoms.	C3	Must Know	Remedy-based discussions, case analysis	Quizzes, case discussions	Oral exams, written assessments	Homoeopathic Therapeutics
Constipation										
HomUG-PM III.115.08	Knowledge and Scholarship	Knows	Definition, Functional vs. organic causes of constipation	Explain the classification and aetiology of constipation in children.	C2	Must Know	Lecture, interactive discussions	MCQs, short-answer questions	Written exams	Paediatrics, Physiology
HomUG-PM III.115.09		Knows how	Pathophysiology, clinical features, and complications of constipation	Describe the clinical features and complications, including megacolon and anal fissures.	C3	Must Know	Case discussions, role-playing	Spot tests, case-based scenarios	Practical exams, OSCE	Paediatrics, Internal Medicine, Surgery

HomUG-PM III.115.10		Knows how	Diagnostic evaluation and Management	Develop an individualized treatment plan for constipation, including counselling and follow-up.	C3	Must Know	Role-playing, case discussions	Case scenarios, clinical evaluations	Written exams, practical exams	Paediatrics, Internal Medicine, Pharmacology
HomUG-PM III.115.11	Homoeopathic orientation	Knows how	Homoeopathic approach to constipation	Select remedies for constipation based on symptomatology and underlying causes.	C3	Must Know	Case-based learning, remedy analysis	MCQs, case discussions	Oral exams, practical exams	Homoeopathic Therapeutics
Public Health and GI Disorders										
HomUG-PM III.115.12	Knowledge and Scholarship	Knows how	Hygiene promotion, nutritional supplementation	Develop preventive measures and public health strategies for GI disorders in children.	C3	Must Know	Community education sessions	Role-playing, group discussions	OSCE, community-based projects	Community Medicine, Paediatrics
HomUG-PM III.115.13		Knows how	Dietary fiber recommendations, oral rehydration therapy	Demonstrate counselling techniques for caregivers to manage GI disorders in children effectively.	C3	Must Know	Role-playing, interactive discussions	Role-play evaluations, spot questions	OSCE, oral presentations	Community Medicine, Nutrition

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								Formative	Summative	

Respiratory Disorders in Children

Upper Respiratory Tract Infections (URTI)

HomUG-PM III.116.01	Knowledge and Scholarship	Knows	Definition, types (viral vs bacterial),	Explain the causative agents, clinical presentation, and epidemiology of URTI.	C2	Must Know	Lecture, case studies	MCQs, quizzes	Written exams	Paediatrics, Microbiology
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			common pathogens							
HomUG-PM III.116.02		Knows how	Clinical presentation, complications of URTI	Recognize the symptoms and possible complications of URTI.	C3	Must Know	Case-based discussions, clinical teaching	Spot tests, case analysis	OSCE, written exams	Paediatrics, ENT
HomUG-PM III.116.03		Knows how	Symptomatic management, criteria for antibiotic use	Formulate treatment strategies based on the severity and aetiology of URTI.	C3	Must Know	Role-playing, clinical teaching	Case scenarios, quizzes	OSCE, oral exams	Paediatrics, Pharmacology
HomUG-PM III.116.04	Homoeopathic orientation	Knows how	Remedies like Aconite, Belladonna, and Pulsatilla	Select appropriate homoeopathic remedies based on presenting symptoms and modalities.	C3	Must Know	Case discussions, remedy analysis	MCQs, case-based learning	Practical exams, oral exams	Homoeopathic Therapeutics
Lower Respiratory Tract Infections (LRTI)										
HomUG-PM III.116.05	Knowledge and Scholarship	Knows	Definition, types (bronchitis, bronchiolitis, pneumonia)	Explain the classification and common pathogens of LRTI.	C2	Must Know	Lecture, interactive sessions	MCQs, quizzes	Written exams	Paediatrics, Microbiology
HomUG-PM III.116.06		Knows how	Clinical features, pathophysiology, and complications of LRTI	Recognize clinical signs of LRTI and its complications.	C3	Must Know	Case-based discussions, clinical teaching	Case discussions, reflective questions	OSCE, written exams	Paediatrics, Internal Medicine
HomUG-PM III.116.07		Knows how	Management of LRTI, including antibiotic therapy and supportive care	Develop a treatment plan for LRTI based on severity and underlying causes.	C3	Must Know	Clinical demonstrations, role-playing	Case scenarios, spot tests	Practical exams, OSCE	Paediatrics, Pharmacology
HomUG-PM III.116.08	Homoeopathic orientation	Knows how	Remedies like Antimonium Tart, Ipecac, and Bryonia	Choose homoeopathic remedies based on symptom presentation and disease progression.	C3	Must Know	Remedy analysis, case discussions	Quizzes, case scenarios	Oral exams, written assessments	Homoeopathic Therapeutics

Hypersensitive Airway Disease										
HomUG-PM III.116.09	Knowledge and Scholarship	Knows	Definition of hypersensitive airway disease and its pathophysiology	Explain the underlying mechanism of conditions like asthma in children.	C2	Must Know	Lecture, group discussions	MCQs, reflective questions	Written exams	Paediatrics, Internal Medicine
HomUG-PM III.116.10		Knows how	Clinical features and triggers of hypersensitive airway disease	Identify symptoms and environmental/genetic predispositions for hypersensitive airway disease.	C3	Must Know	Case discussions, interactive sessions	Spot tests, case scenarios	Written exams, OSCE	Paediatrics, Internal Medicine
HomUG-PM III.116.11		Knows how	Management of hypersensitive airway disease, including pharmacologic and non-pharmacologic measures	Develop a management plan with a focus on trigger prevention and medication adherence.	C3	Must Know	Role-playing, clinical teaching	Reflective learning, case studies	OSCE, oral exams	Paediatrics, Pharmacology
HomUG-PM III.116.12	Homoeopathic orientation	Knows how	Homoeopathic remedies for hypersensitive airway disease	Select appropriate remedies based on clinical presentation and environmental triggers.	C3	Must Know	Remedy analysis, case-based learning	Quizzes, case discussions	Oral exams, practical exams	Homoeopathic Therapeutics
Pertussis Cough										
HomUG-PM III.116.13	Knowledge and Scholarship	Knows	Definition, Aetiology, stages of Pertussis	Explain the clinical progression and symptoms of pertussis.	C2	Must Know	Lecture, interactive sessions	MCQs, quizzes	Written exams	Paediatrics, Microbiology
HomUG-PM III.116.14		Knows how	Diagnostic evaluation of Pertussis	Identify diagnostic criteria and laboratory findings in pertussis.	C3	Must Know	Clinical demonstrations, case discussions	Short-answer questions, case scenarios	OSCE, practical exams	Paediatrics, Internal Medicine

HomUG-PM III.116.15		Knows how	Management strategies for Pertussis	Develop a treatment plan for pertussis, including caregiver education and vaccination recommendations.	C3	Must Know	Case-based discussions, role-playing	Reflective questions, caregiver interviews	OSCE, oral presentations	Paediatrics, Internal Medicine, Pharmacology
HomUG-PM III.116.16	Homoeopathic orientation	Knows how	Homoeopathic remedies for Pertussis	Select appropriate remedies for pertussis based on symptom totality.	C3	Must Know	Case-based learning, remedy analysis	Case-based discussions, quizzes	Oral exams, written assessments	Homoeopathic Therapeutics

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								Formative	Summative	
Ear pain and Otitis media										
Ear Pain										
HomUG-PM III.117.01		Knows	Identify common causes of ear pain in children	Recognize and classify common causes of ear pain in children based on aetiology.	C2	Must Know	Lecture, case discussions	MCQs, short notes	Written exams	Paediatrics, ENT
HomUG-PM III.117.02	Knowledge and Scholarship	Knows how	Pathophysiology of ear pain	Explain how different conditions contribute to the development of ear pain in children.	C3	Must Know	Interactive sessions, group discussions	Short-answer questions, reflective exercises	Written exams	Paediatrics, ENT, Pathology
HomUG-PM III.117.03		Knows how	History-taking, otoscopy findings	Demonstrate the ability to use history and physical	C3	Must Know	Clinical teaching,	Case-based assessments	OSCE, oral exams	Paediatrics, ENT

				findings to differentiate causes of ear pain.			bedside case presentations			
HomUG-PM III.117.04		Knows how	Management strategies	Formulate a treatment plan for managing ear pain in children.	C3	Must Know	Role-playing, clinical demonstrations	Case scenarios, practical exercises	OSCE, practical exams	Paediatrics, Pharmacology
HomUG-PM III.117.05	Homoeopathic orientation	Knows how	Homoeopathic remedies for Ear Pain	Select appropriate homoeopathic remedies for ear pain based on symptom presentation.	C3	Must Know	Case-based learning, remedy discussions	Quizzes, case studies	Oral exams, practical exams	Homoeopathic Therapeutics
Otitis Media										
HomUG-PM III.117.06	Knowledge and Scholarship	Knows	Definition of otitis media and classification/types	Define otitis media and classify its types based on clinical and pathological criteria.	C2	Must Know	Lecture, visual aids (e.g., charts and diagrams)	MCQs, short notes	Written exams	Paediatrics, ENT
HomUG-PM III.117.07		Knows how	Pathophysiology and risk factors	Discuss the mechanisms and contributing factors for otitis media.	C3	Must Know	Group discussions, case-based teaching	Case-based questions	Written exams	Paediatrics, Pathology
HomUG-PM III.117.08		Knows how	Symptoms and complications of Otitis media	Recognize clinical manifestations and potential complications of otitis media in children.	C3	Must Know	Clinical discussions, bedside case presentations	Spot tests, reflective exercises	OSCE, oral exams	Paediatrics, ENT
HomUG-PM III.117.09		Shows how	Examination findings	Demonstrate diagnostic skills for identifying otitis media using clinical tools.	P2-3	Must Know	Practical sessions, clinical demonstrations	Practical questions, case-based assessments	OSCE, oral exams	Paediatrics, ENT
HomUG-PM III.117.10		Knows how	Management Strategies	Develop a treatment plan for managing otitis media, including when to refer for surgery.	C3	Must Know	Role-playing, clinical demonstrations	Practical assessments, case scenarios	OSCE, practical exams	Surgery, ENT, Pharmacology

HomUG-PM III.117.11	Homoeopathic orientation	Knows how	Homoeopathic remedies for otitis media	Select appropriate homoeopathic remedies for managing symptoms of otitis media.	C3	Must Know	Remedy discussions, case-based teaching	Case-based discussions, quizzes	Oral exams, practical exams	Homoeopathic Therapeutics
HomUG-PM III.117.12	Knowledge and Scholarship	Shows how	Vaccinations (e.g., pneumococcal, influenza), environmental modifications	Counsel caregivers on preventive measures and the importance of follow-up for otitis media.	C3	Must Know	Counselling role-play, caregiver interviews	Reflective learning, caregiver feedback	Oral presentations, OSCE	Paediatrics, Community Medicine

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								Formative	Summative	
Acute Rheumatic Fever										
HomUG-PM III.118.01	Knowledge and Scholarship	Knows	Definition, epidemiology, and risk factors	Define ARF and describe its prevalence, causes, and risk factors.	C2	Must Know	Lecture, visuals (charts, infographics)	MCQs, short notes	SAQ, LAQ	Paediatrics, Cardiology
HomUG-PM III.118.02		Knows how	Pathophysiology of Acute Rheumatic Fever	Explain the autoimmune mechanism leading to ARF after GAS pharyngitis.	C3	Must Know	Interactive sessions, animations	Case-based questions	SAQ, LAQ	Pathology, Paediatrics
HomUG-PM III.118.03		Knows how	Clinical manifestations and diagnostic criteria for Acute Rheumatic Fever	Identify clinical symptoms and apply the Jones criteria for diagnosing ARF.	C3	Must Know	Clinical discussions, group case studies	Spot tests, reflective questions	OSCE, oral exams	Paediatrics, Internal Medicine
HomUG-PM III.118.04		Knows how	Diagnostic investigations for	Demonstrate the ability to select and interpret	C3	Must Know	Practical sessions, lab demonstrations	Practical questions,	OSCE, practical exams	Paediatrics, Pathology

			Acute Rheumatic Fever	investigations for ARF diagnosis.				diagnostic exercises		
HomUG-PM III.118.05		Knows how	Management strategies for Acute Rheumatic Fever	Develop a comprehensive treatment plan for ARF, including pharmacological and supportive measures.	C3	Must Know	Role-playing, clinical demonstrations	Practical assessments, case scenarios	OSCE, practical exams	Paediatrics, Pharmacology
HomUG-PM III.118.06		Knows how	Primary prevention and secondary prevention of Acute Rheumatic Fever	Explain strategies to prevent ARF, including timely treatment and prophylaxis.	C3	Must Know	Case-based teaching, interactive discussions	Short-answer questions, group discussions	Written exams, oral presentations	Community Medicine, Paediatrics
HomUG-PM III.118.07		Knows	Complications of Acute Rheumatic Fever	Recognize complications of ARF and their implications for long-term health.	C3	Must Know	Case discussions, clinical seminars	Case-based discussions, quizzes	OSCE, written exams	Paediatrics, Internal Medicine
HomUG-PM III.118.08	Homoeopathic orientation	Knows how	Homoeopathic remedies for Acute Rheumatic Fever	Select appropriate homoeopathic remedies for ARF symptoms based on patient presentation.	C3	Must Know	Remedy-based teaching, clinical case analysis	Case discussions, short-answer questions	Oral exams, practical exams	Homoeopathic Therapeutics

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								Formative	Summative	
Renal Disorders										
Acute Glomerulonephritis (AGN)										

HomUG-PM III.119.01	Knowledge and Scholarship	Knows	Definition, epidemiology and causes of AGN	Define AGN and describe common aetiologies and risk factors in children.	C2	Must Know	Lecture, visuals (charts, infographics)	MCQs, short notes	Written exams	Paediatrics, Internal medicine
HomUG-PM III.119.02		Knows how	Pathophysiology of AGN	Explain the immunological mechanism leading to AGN.	C3	Must Know	Interactive sessions, animations	Case-based questions	Written exams	Pathology
HomUG-PM III.119.03		Knows how	Clinical features of AGN	Recognize the clinical manifestations of AGN in paediatric patients.	C3	Must Know	Case discussions, group learning	Spot tests, reflective questions	OSCE, oral exams	Paediatrics, Internal Medicine
HomUG-PM III.119.04		Knows how	Diagnostic evaluations for AGN	Select and interpret investigations to diagnose AGN.	C3	Must Know	Practical sessions, diagnostic reasoning	Practical questions, diagnostic exercises	OSCE, practical exams	Paediatrics, Pathology
HomUG-PM III.119.05		Knows how	Management strategies for AGN	Develop a management plan for AGN based on severity and complications.	C3	Desirable to know	Role-playing, clinical demonstrations	Case-based scenarios, short notes	OSCE, practical exams	Paediatrics, Pharmacology
HomUG-PM III.119.06		Knows how	Prognosis, follow-up care, lifestyle modifications	Educate caregivers on AGN outcomes and the importance of monitoring.	C3	Must Know	Caregiver interaction, counselling role-play	Reflective feedback, caregiver interviews	OSCE, oral presentations	Paediatrics, Community Medicine
Nephrotic Syndrome (NS)										
HomUG-PM III.119.07	Knowledge and Scholarship	Knows	Definition and classification of NS	Define NS and describe its types and epidemiology in children.	C2	Must Know	Lecture, visuals	MCQs, short notes	Written exams	Paediatrics, Internal Medicine
HomUG-PM III.119.08		Knows how	Pathophysiology of NS	Explain the mechanisms leading to protein loss in NS.	C3	Must Know	Interactive sessions, animations	Case-based questions	Written exams	Pathology

HomUG-PM III.119.09		Knows how	Clinical features of NS	Identify symptoms and signs of NS and its complications (infections, thrombosis).	C3	Must Know	Case-based teaching, problem-solving	Spot tests, reflective questions	OSCE, oral exams	Paediatrics, Internal Medicine
HomUG-PM III.119.10		Knows how	Diagnostic tests for NS	Perform and interpret tests for NS diagnosis and monitoring.	C3	Must Know	Practical sessions, lab demonstrations	Diagnostic reasoning, short-answer questions	OSCE, practical exams	Paediatrics, Pathology, Internal Medicine
HomUG-PM III.119.11		Knows how	Management strategies for NS	Create a treatment plan for NS, including steroid-sensitive and resistant cases.	C3	Desirable to know	Clinical demonstrations, patient simulations	Practical questions, case discussions	OSCE, practical exams	Paediatrics, Pharmacology
HomUG-PM III.119.12	Homoeopathic Orientation	Knows how	Homoeopathic remedies for AGN & NS	Prescribe homoeopathic remedies based on the patient's symptoms and constitution.	C3	Must Know	Case-based remedy teaching	Homoeopathy-based case discussions	OSCE, oral exams	Homoeopathic Therapeutics
HomUG-PM III.119.13	Knowledge and Scholarship	Knows how	Disease education, medication adherence, monitoring relapses	Educate caregivers on NS management and the importance of adherence to treatment and follow-up care.	C3	Must Know	Counseling role-play, caregiver interaction	Reflective feedback, caregiver interviews	OSCE, oral presentations	Paediatrics, Community Medicine

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								Formative	Summative	

Indian Childhood Cirrhosis (ICC)

HomUG-PM III.120.01	Knowledge and Scholarship	Knows	Definition, epidemiology, and historical significance in India	Define ICC and explain its epidemiological trends and causes.	C2	Must Know	Lecture, visual aids (charts, maps)	MCQs, short notes	Written exams	Paediatrics, Internal medicine, Pathology
HomUG-PM III.120.02		Knows how	Pathophysiology of ICC	Describe the pathophysiological mechanisms leading to ICC.	C3	Must Know	Animated videos, interactive discussions	Case-based discussions	Written exams	Pathology
HomUG-PM III.120.03		Knows how	Clinical features of ICC	Identify symptoms and signs of ICC in children.	C3	Must Know	Case-based learning, group discussions	Spot tests, case scenarios	OSCE, oral exams	Paediatrics, Internal Medicine
HomUG-PM III.120.04		Knows how	Diagnostic evaluation of ICC	Select and interpret diagnostic tests for ICC.	C3	Must Know	Practical lab sessions, diagnostic reasoning	Practical exercises, short-answer questions	OSCE, practical exams	Paediatrics, Pathology, Biochemistry
HomUG-PM III.120.05		Knows how	Management strategies for ICC	Create a treatment plan for ICC focusing on medical and supportive care.	C3	Desirable to know	Role-playing, clinical demonstrations	Case-based scenarios, reflective questions	OSCE, practical exams	Pharmacology
HomUG-PM III.120.06	Homoeopathic orientation	Knows how	Homoeopathic remedies for ICC	Prescribe homoeopathic remedies tailored to the individual case of ICC.	C3	Nice to Know	Case-based homoeopathy teaching	Homoeopathy-specific case discussions	Oral exams, OSCE	Homoeopathic Therapeutics

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

CNS Disorders: Cerebral Palsy (CP) and Hydrocephalus

HomUG-PM III.121.01	Knowledge and Scholarship	Knows	Definitions, types of CP and Hydrocephalus	Define CP and Hydrocephalus, and differentiate types and classifications.	C2	Must Know	Lectures, videos, charts	MCQs, short-answer questions	Written exams	Paediatrics, Neurology
HomUG-PM III.121.02		Knows how	Aetiology and risk factors for CP and Hydrocephalus	Explain the causes and risk factors for CP and Hydrocephalus.	C3	Must Know	Group discussions, visual aids	Case scenarios, reflective questions	Written exams, case-based questions	Paediatrics, Pathology
HomUG-PM III.121.03		Knows how	Pathophysiology of CP and Hydrocephalus	Illustrate the mechanisms leading to CP and Hydrocephalus.	C3	Must Know	Interactive sessions, animations	Problem-solving exercises	Written exams	Neurology, Pathology
HomUG-PM III.121.04		Knows how	Clinical features of CP and Hydrocephalus	Recognize symptoms and signs of CP and Hydrocephalus.	C3	Must Know	Case-based learning, bedside teaching	Spot tests, short-answer questions	OSCE, oral exams	Paediatrics, Neurology
HomUG-PM III.121.05		Knows how	Diagnostic evaluation for CP and Hydrocephalus	Select and interpret relevant diagnostic investigations for CP and Hydrocephalus.	C3	Must Know	Lab sessions, demonstrations	Practical tasks, case discussions	OSCE, practical exams	paediatrics, Radiology
HomUG-PM III.121.06		Knows how	management strategies for CP and Hydrocephalus	Formulate a comprehensive treatment approach, including medical, surgical, and supportive care.	C3	Must Know	Case discussions, problem-solving activities	Reflective exercises, case presentations	Practical exams, OSCE	Paediatrics, Palliative care
HomUG-PM III.121.07	Homoeopathic orientation	Knows how	Homoeopathic remedies for CP and Hydrocephalus	Prescribe appropriate homoeopathic remedies tailored to cases of CP and Hydrocephalus.	C3	Must Know	Homoeopathy-focused case-based teaching	Homoeopathy-specific case discussions	Oral exams, OSCE	Homoeopathic Therapeutics
HomUG-PM III.121.08	Knowledge and Scholarship	Knows how	Importance of early intervention, multidisciplinary care	Educate caregivers about long-term outcomes, rehabilitation, and the importance of a multidisciplinary approach.	C3	Desirable to Know	Role-playing, interactive discussions	Feedback from role-play, counselling scenarios	OSCE	Paediatrics, Community medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Convulsive disorders in Children: Febrile Convulsion										
HomUG-PM III.122.01	Knowledge and Scholarship	Knows	Definition and types of Febrile convulsions	Define febrile convulsions and differentiate between simple and complex febrile seizures.	C2	Must Know	Lectures, slides	MCQs, short-answer questions	Written exams	Internal medicine
HomUG-PM III.122.02		Knows how	Aetiology and risk factors for Febrile Convulsions	Explain the common causes and risk factors of febrile convulsions.	C3	Must Know	Group discussions, visual aids	Case scenarios, reflective questions	Written exams, case-based questions	paediatrics, Internal medicine
HomUG-PM III.122.03		Knows how	Pathophysiology of Febrile Convulsions	Illustrate the underlying mechanism of febrile convulsions.	C3	Must Know	Interactive sessions, animations	Problem-solving exercises	Written exams	Neurology, Physiology
HomUG-PM III.122.04		Knows how	Clinical features of Febrile Convulsions	Recognize the signs and symptoms indicative of febrile convulsions.	C3	Must Know	Case-based learning, bedside teaching	Spot tests, short-answer questions	OSCE, oral exams	Internal Medicine, Physiology, Neurology
HomUG-PM III.122.05		Knows how	Diagnostic evaluation for Febrile Convulsions	Select and interpret investigations to differentiate febrile seizures from other convulsive disorders.	C3	Must Know	Lab sessions, demonstrations	Practical tasks, case discussions	OSCE, practical exams	Internal medicine, Radiology
HomUG-PM III.122.06		Knows how	Management plan for Febrile Convulsions	Formulate a treatment plan including emergency	C3	Must Know	Case discussions, problem-	Reflective exercises, case presentations	Practical exams, OSCE	Emergency Medicine

				management and prevention of recurrence.			solving activities			
HomUG-PM III.122.07	Homoeopathic orientation	Knows how	Homoeopathic management of Febrile Convulsions	Prescribe suitable homoeopathic remedies for managing febrile convulsions based on presenting symptoms.	C3	Must Know	Homoeopathy-focused case-based teaching	Homoeopathy-specific case discussions	Oral exams, OSCE	Homoeopathic Therapeutics
HomUG-PM III.122.08	Knowledge and Scholarship	Knows how	Prognosis and preventive care	Counsel caregivers on the prognosis of febrile seizures and prevention strategies.	C3	Must Know	Role-playing, interactive discussions	Feedback from role-play, counselling scenarios	OSCE	Internal Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Intellectual Disabilities in Children

Autism Spectrum Disorder (ASD)

HomUG-PM III.123.01	Knowledge and Scholarship	Knows	Definition, diagnostic criteria, prevalence rates	Understand and define intellectual disability and autism spectrum disorder (ASD).	C2	Must Know	Lectures, case studies	MCQs, short-answer questions	Written exams	Psychiatry
HomUG-PM III.123.02		Knows how	Aetiology and risk factors for ASD	Identify the common etiological factors and risk factors associated with ASD.	C3	Must Know	Group discussions, expert talks	Case-based discussions	Case-based exams, MCQs	Genetics, Psychiatry

HomUG-PM III.123.03		Knows how	Clinical features of ASD	Recognize key diagnostic features of ASD including communication issues and restrictive behaviours.	C3	Must Know	Role-play, case-based learning	Spot tests, short-answer questions	OSCE, written exams	Psychiatry
HomUG-PM III.123.04		Knows how	Diagnostic evaluation for ASD	Interpret diagnostic tests and methods for ASD diagnosis.	C3	Must Know	Hands-on demonstration, clinical assessment	Practical tasks, case discussions	OSCE, practical exams	Psychiatry
HomUG-PM III.123.05		Knows how	Management plan for ASD	Create a management strategy tailored to ASD, including early intervention and family support.	C3	Must Know	Interactive teaching, group discussions	Case-based learning, interactive discussions	Practical exams, OSCE	Psychiatry, Psychology
HomUG-PM III.123.06	Homoeopathic orientation	Knows how	Role of Homoeopathy in managing ASD	Prescribe homoeopathic remedies based on ASD symptoms for improved management.	C3	Nice to Know	Case discussions, homoeopathy-specific learning	Case-based discussions	OSCE, oral exams	Homoeopathic therapeutics
Attention-Deficit/Hyperactivity Disorder (ADHD)										
HomUG-PM III.123.07	Knowledge and Scholarship	Knows	Core symptoms, subtypes, diagnostic criteria, differential diagnoses	Define ADHD and recognize the core symptoms, such as inattention, hyperactivity, and impulsivity.	C2	Must Know	Lecture, video demonstrations	MCQs, short-answer questions	Written exams	Psychiatry
HomUG-PM III.123.08		Knows how	Aetiology and risk factors for ADHD	Explain the underlying causes and factors contributing to the development of ADHD.	C3	Must Know	Group discussions, case studies	Case discussions, feedback sessions	Written exams, case-based MCQs	Psychiatry
HomUG-PM III.123.09		Knows how	Clinical features of ADHD	Identify the signs and symptoms of ADHD and distinguish it from other	C3	Must Know	Interactive group teaching, role-play	Case-based questions, role-playing	OSCE, written exams	Psychiatry, Psychology

				disorders with similar symptoms.						
HomUG-PM III.123.10		Knows how	Diagnostic evaluation of ADHD	Assess the tools and techniques used to diagnose ADHD, including standardized scales and clinical evaluations.	C3	Must Know	Demonstrations, clinical sessions	Practical tests, case discussions	OSCE, case-based exams	Psychiatry
HomUG-PM III.123.11		Knows how	Management plan for ADHD	Create a treatment plan incorporating behaviour management, medications, and support for families.	C3	Must Know	Clinical teaching, case-based discussions	Case-based learning, feedback on treatment	OSCE, practical exams	Psychiatry, Psychology
HomUG-PM III.123.12	Homoeopathic orientation	Knows how	Homoeopathic approaches to managing ADHD	Integrate homoeopathic remedies as a complementary approach for treating ADHD symptoms.	Application	Nice to Know	Homoeopathy-focused lectures and case studies	Case-based discussions, reflective exercises	Oral exams, practical demonstration	Homoeopathic Therapeutics

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Dermatological Disorders in Children

Approach to Atopic Dermatitis

HomU G-PM III.124 .01	Knowledge and Scholarship	Knows	Definition, genetic predisposition, immune dysregulation, environmental factors	Understand the pathophysiology, causes, and clinical features of Atopic Dermatitis in the paediatric age group.	C2	Must Know	Lecture, video demonstrations, case studies	MCQs, short- answer questions	Written exams, practical assessment	Dermatology
HomU G-PM III.124 .02		Knows	Clinical features of Atopic Dermatitis (AD) in children	Recognize the characteristic features of AD, including onset age, distribution, and course of the disease.	C2	Must Know	Case-based learning, role- play	Spot tests, interactive discussions	OSCE, clinical case discussions	Dermatology
HomU G-PM III.124 .03		Knows how	Aetiology and risk factors for Atopic Dermatitis (AD) in children	Identify the risk factors for AD, including family history, allergic conditions, and environmental exposures.	C3	Must Know	Group discussions, expert talks, case studies	Case-based discussions, interactive Q&A	Written exams, OSCE	Immunology, Dermatology
HomU G-PM III.124 .04		Knows how	Differential diagnosis for Atopic Dermatitis (AD) in children	Differentiate AD from other skin disorders by recognizing unique clinical features and history.	C3	Must Know	Case-based discussions, interactive learning	MCQs, case discussions	Case-based OSCE, written exams	Dermatology, internal Medicine
HomU G-PM III.124 .05		Knows how	Treatment plan for Atopic Dermatitis (AD) in children	Formulate an individualized treatment plan for AD, considering severity and comorbid conditions in paediatric patients.	C3	Nice to Know	Clinical teaching, case studies	Case-based problem- solving, group discussions	Practical exams, written exams	Dermatology, Pharmacology
HomU G-PM III.124 .06		Knows how	role of prevention and management of flare-ups in AD	Address how to prevent exacerbations and manage acute flare-ups in children with AD.	C3	Must Know	Group discussions, role-playing	Spot tests, reflective exercises	OSCE, practical demonstratio n	Dermatology, Pharmacology
HomU G-PM	Homoeopath ic orientation	Knows how	Homoeopathic management of AD in children	Apply homeopathic principles to treat AD based on individual symptoms,	C3	Must Know	Homoeopathy- specific	Case-based learning,	Oral exams, practical	Homoeopathic Therapeutics

III.124 .07				temperament, and constitution.			teaching, case studies	homoeopathy Q&A	demonstrations	
HomU G-PM III.124 .08	Knowledge and Scholarship	Knows how	Complications of Atopic Dermatitis (AD) in children	Address complications like secondary bacterial infections and psychosocial aspects of chronic AD in children.	C3	Must Know	Case-based discussions, clinical sessions	MCQs, short-answer questions	Written exams, clinical OSCE	Dermatology, Infectious Disease
Approach to Pyoderma										
HomU G-PM III.124 .09	Knowledge and Scholarship	Knows	Pyoderma and its aetiology in children	Define Pyoderma and the causes of pyoderma, including the role of bacteria and environmental factors.	C2	Must Know	Lecture, video, case studies	MCQs, short-answer questions	Written exams, case discussions	Dermatology
HomU G-PM III.124 .10		Knows how	Clinical features of Pyoderma in children	Identify different types of pyodermas based on the distribution and severity of lesions in children.	C3	Must Know	Case-based learning, interactive discussions	Spot tests, interactive Q&A	OSCE, written case-based exam	Dermatology
HomU G-PM III.124 .11		Knows how	Pathophysiology of Pyoderma in paediatric age group	Explain the process of skin colonization by bacteria, immune system response, and progression of the infection.	C4	Must Know	Group discussions, expert talks	Case-based discussions	Written exams, practical examination	Pathology, Immunology, Dermatology
HomU G-PM III.124 .12		Shows how	Differential diagnosis for Pyoderma in children	Differentiate pyoderma from other dermatological conditions based on clinical features and history.	C5	Must Know	Case-based discussions, group activities	Spot tests, reflective discussions	OSCE, clinical cases	Dermatology, Internal Medicine
HomU G-PM III.124 .13		Shows how	Treatment plan for Pyoderma in paediatric patients	Create an individualized treatment plan based on the severity of pyoderma, considering age and overall health.	C6	Nice to Know	Clinical teaching, case discussions	Problem-solving exercises	Practical exams, written assessments	Dermatology, Pharmacology
HomU G-PM III.124 .14		Knows how	Prevention and management of recurrent pyoderma	Implement preventive strategies to avoid recurrent infections, including proper hygiene and wound care.	C7	Nice to Know	Group discussions, case studies	Case-based discussions, role-play	OSCE, clinical scenarios	Dermatology, Community Medicine

HomU G-PM III.124 .15	Homoeopathic orientation	Knows how	Homoeopathic management of Pyoderma in children	Apply homeopathic principles to treat pyoderma based on symptom similarity, individual constitution, and temperament.	C8	Must Know	Homoeopathy-specific teaching, case discussions	Case-based learning, Q&A	Practical demonstration, oral exams	Homoeopathic Therapeutics
HomU G-PM III.124 .16	Knowledge and Scholarship	Shows how	Complications of Pyoderma in children	Recognize complications such as scarring, systemic infections, and glomerulonephritis and address appropriately.	C9	Must Know	Case-based discussions, role-playing	Spot tests, case discussions	OSCE, clinical exams	Dermatology, Infectious Disease, Internal Medicine
HomU G-PM III.124 .17		Shows how	Patient education and family counselling for AD and Pyoderma	Counsel families and patients on how to manage AD and pyoderma, emphasizing skin care and trigger management.	C10	Must Know	Role-play, interactive patient education sessions	Case-based learning, reflective discussions	OSCE, clinical exams	Dermatology, Counselling, Community Medicine
HomU G-PM III.124 .18		Shows how	Multidisciplinary approach in managing AD and Pyoderma	Collaborate with other healthcare professionals to provide a comprehensive care plan for patients with AD and pyoderma.	C11	Must Know	Team discussions, case conferences	Reflective exercises, group discussions	Practical exams, case-based discussions	Paediatrics, Dermatology, Internal Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Approach to Abdominal pain, Evening colic										
Abdominal Pain in Paediatric Age group										

HomUG-PM III.125.01	Knowledge and Scholarship	Knows	Acute, chronic, and recurrent abdominal pain	Recognize the different classifications of abdominal pain in children.	C2	Must Know	Lecture, case scenarios	MCQs, short-answer questions	Written exams, case discussions	Surgery
HomUG-PM III.125.02		Knows how	Common causes of abdominal pain based on age groups	Categorize the causes of abdominal pain in different paediatric age groups.	C3	Must Know	Interactive teaching, group discussion	Spot tests, reflective discussions	OSCE, case-based exams	Surgery, Internal Medicine
HomUG-PM III.125.03		Knows how	Clinical features of abdominal pain	Correlate clinical features with potential underlying conditions.	C3	Must Know	Case-based learning, video demonstrations	Interactive Q&A, spot tests	OSCE, practical exams	Paediatrics, Internal Medicine
HomUG-PM III.125.04		Knows how	History and physical examination	Perform systematic evaluation to localize and identify the cause of abdominal pain.	C3-P3	Must Know	Clinical demonstrations, role-play	Problem-solving exercises	Practical exams, OSCE	Surgery
HomUG-PM III.125.05		Knows how	Differential diagnosis for abdominal pain	Prioritize differential diagnoses based on clinical findings and investigations.	C3	Must Know	Case discussions, group activities	Case-based discussions, reflective exercises	OSCE, clinical case exams	Surgery
HomUG-PM III.125.06		Knows how	Diagnostic investigations for abdominal pain	Choose appropriate investigations based on suspected aetiology.	C3	Must Know	Demonstrations, group discussions	Spot tests, case-based discussions	Written exams, practical case analysis	Surgery
HomUG-PM III.125.07		Knows how	Treatment plan for abdominal pain	Propose individualized management based on diagnosis (e.g., appendectomy, rehydration).	C3	Must Know	Role-play, interactive discussions	Clinical scenario evaluations	Case-based exams, written assessments	Surgery, Internal Medicine
HomUG-PM III.125.08		Shows how	Educate parents on the management and prevention of abdominal pain	Instruct parents on maintaining healthy dietary habits and recognizing red flags for abdominal pain.	C3	Nice to Know	Role-play, interactive sessions with caregivers	Parent education assessment, Q&A	OSCE, practical demonstrations	Surgery, Community Medicine

HomUG-PM III.125.09	Homoeopathic orientation	Knows how	Homoeopathic management of abdominal pain	Apply homeopathic remedies for symptom relief based on characteristic features and individual presentation.	C3	Nice to Know	Case discussions, homoeopathic case-taking	Case-based learning, Q&A	SAQ, MCQ, Oral exams	Homoeopathic Therapeutics
HomUG-PM III.125.10	Knowledge and Scholarship	Shows how	Complications of abdominal pain	Address complications promptly and refer when necessary.	C3	Must Know	Clinical discussions, emergency simulations	Case-based evaluations, reflective practice	OSCE, practical exams	Surgery, Internal medicine
Evening Colic in Paediatric Age Group										
HomUG-PM III.125.11	Knowledge and Scholarship	Knows	Crying episodes in late afternoon or evening, commonly in infants aged 2-4 months	Identify the characteristics of evening colic and differentiate from other causes of excessive crying.	C2	Must Know	Lectures, video-based learning	MCQs, short-answer questions	Written exams, case discussions	Paediatrics
HomUG-PM III.125.12		Knows how	Aetiology and contributing factors	Understand the multifactorial nature of evening colic and its contributing factors.	C3	Must Know	Interactive group discussions, case examples	Spot tests, reflective discussions	Written assessments, case-based exams	Paediatrics
HomUG-PM III.125.13		Knows how	Clinical features of evening colic	Differentiate evening colic from organic causes of infantile distress.	C3	Must Know	Case-based discussions, clinical observation	Spot tests, reflective discussions	OSCE, practical exams	Paediatrics
HomUG-PM III.125.14		Knows how	Management plan for evening colic	Provide a comprehensive plan for parents to manage evening colic effectively.	C3	Must Know	Role-play, interactive teaching sessions	Problem-solving exercises	Case-based exams, role-play scenarios	Paediatrics, Counselling
HomUG-PM III.125.15		Knows how	Educate parents on non-pharmacological strategies	Teach calming techniques and ensure proper feeding and burping practices.	P3-A3	Nice to Know	Demonstrations, role-play	Parent education assessment, Q&A	OSCE, practical teaching	Paediatrics

HomUG-PM III.125.16	Homoeopathic orientation	Knows how	Homoeopathic management of evening colic	Apply appropriate remedies for colic based on characteristic symptoms and individual temperaments.	C3	Nice to Know	Case-based learning, homoeopathic lectures	Case-based evaluations, Q&A	SAQ, MCQ, Oral exams	Homoeopathic Therapeutics
HomUG-PM III.125.17	Knowledge and Scholarship	Knows how	Follow-up and monitoring of evening colic	Ensure appropriate follow-up and recognize if further evaluation is necessary.	C3	Must Know	Group discussions, clinical observations	Spot tests, reflective practice	Clinical exams, written assessments	Paediatrics

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Common Helminthic Infection in Paediatric Age Group

HomUG-PM III.126.01	Knowledge and Scholarship	Knows	Ascariasis, hookworm infection, trichuriasis, and enterobiasis	Identify the major helminthic infections affecting children.	C2	Must Know	Lectures, group discussions	MCQs, short-answer questions	Written exams, case discussions	Microbiology
HomUG-PM III.126.02		Knows	Life cycle and transmission of common helminths	Describe the life cycle of helminths and how they spread among children.	C2	Must Know	Interactive lectures, flowchart discussions	Spot tests, Q&A	Written exams, diagram-based questions	Microbiology
HomUG-PM III.126.03		Knows how	Clinical features of	Correlate clinical symptoms with specific helminthic infections.	C3	Must Know	Case discussions,	Case-based discussions, spot tests	OSCE, practical exams	Internal Medicine, Surgery

			helminthic infections				video-based learning			
HomUG-PM III.126.04		Knows how	Focused clinical examination	Identify physical signs that suggest helminthic infections.	C3	Must Know	Clinical demonstrations, role-play	Problem-solving exercises	OSCE, practical case scenarios	Internal Medicine, Surgery
HomUG-PM III.126.05		Knows how	Diagnostic investigations	Select appropriate diagnostic tests to confirm helminthic infections.	C3	Must Know	Case-based teaching, lab demonstrations	Spot tests, interpretation exercises	Practical exams, written case analysis	Internal Medicine, Surgery
HomUG-PM III.126.06		Knows how	Treatment plan for helminthic infections	Prescribe appropriate anti-helminthic therapy based on guidelines and patient presentation.	C3	Must Know	Role-play, interactive discussions	Prescription writing exercises, Q&A	Case-based exams, role-play scenarios	Pharmacology
HomUG-PM III.126.07		Knows how	Personal hygiene, handwashing, sanitation, and deworming programs	Guide parents on preventive measures to reduce helminth transmission.	C3	Must Know	Role-play, parent education sessions	Parent education assessments	OSCE, practical demonstrations	Community Medicine
HomUG-PM III.126.08	Homoeopathic orientation	Knows how	Homoeopathic management of helminthic infections	Apply homeopathic remedies tailored to symptoms and helminth types.	C3	Must Know	Homoeopathic case discussions, role-play	Case-based evaluations, Q&A	Practical homoeopathic exams	Homoeopathic Therapeutics
HomUG-PM III.126.09	Knowledge and Scholarship	Knows how	Manage complications of helminthic infections	Recognize and address complications promptly, including referral if needed.	C3	Must Know	Group discussions, clinical simulations	Case-based evaluations, reflective practice	OSCE, practical exams	Internal Medicine, Surgery

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Adolescent care										
HomU G-PM III.127. 01	Knowledge and Scholarship	Knows	Physical growth, puberty, emotional changes, peer influence, and identity development	Describe the key changes in adolescents' physical, emotional, and social development.	C2	Must Know	Lectures, group discussions	MCQs, Q&A	Written exams, case discussions	Psychology
HomU G-PM III.127. 02		Knows how	Common health issues in adolescents	Identify common health concerns specific to adolescents.	C3	Must Know	Interactive lectures, case-based learning	Case-based discussions, spot tests	Written exams, practical scenarios	Paediatrics, Psychiatry
HomU G-PM III.127. 03		Shows how	Effective communication skills with adolescents	Apply effective communication strategies to interact with adolescents.	C3	Must Know	Role-play, simulation-based learning	Communication skill assessments	OSCE, practical exams	Internal Medicine, Psychology
HomU G-PM III.127. 04		Knows how	Sensitive topics relevant to adolescent care	Discuss sensitive issues while respecting adolescents' privacy and autonomy.	C3	Must Know	Role-play, small group discussions	Case-based discussions, reflective exercises	OSCE, simulated patient interactions	Community Medicine, Medical Ethics

HomU G-PM III.127. 05		Knows how	Educate adolescents and parents on preventive health strategies	Promote preventive strategies to maintain adolescent health.	C3	Must Know	Interactive workshops, family-centred learning	Group discussions, Q&A	Written exams, role-play scenarios	Community Medicine, Internal medicine,
HomU G-PM III.127. 06		Shows how	Comprehensive assessment of adolescents' health	Conduct a holistic evaluation of adolescents, including psychosocial aspects.	C3	Must Know	Clinical demonstrations, group activities	Case-based evaluations, skill demonstrations	OSCE, practical exams	Internal Medicine, Psychology
HomU G-PM III.127. 07		Knows how	Integrating adolescent preferences, shared decision-making	Create and explain management plans in collaboration with adolescents.	C3	Must Know	Case discussions, simulation	Prescription writing, reflective assessments	OSCE, practical case scenarios	Psychology, Psychiatry, Internal Medicine
HomU G-PM III.127. 08	Homoeopathic orientation	Knows how	Homoeopathic management for addressing adolescent health issues	Apply appropriate homoeopathic remedies tailored to adolescents' needs.	C3	Nice to Know	Case-based discussions, homoeopathic sessions	Case-based evaluations, oral discussions	Practical homoeopathic exams	Homoeopathic Therapeutics
HomU G-PM III.127. 09	Knowledge and Scholarship	Knows how	Legal and ethical considerations in adolescent care	Ensure ethical practices while managing adolescent health issues.	C3	Must Know	Group discussions, scenario-based teaching	Reflective practice, Q&A	OSCE, practical evaluations	Medical Ethics

COMPETENCY TABLES - NUTRITIONAL AND METABOLIC DISORDERS

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
General Approach to Nutritional Deficiency Disorders										
HomUG-PM III.128.01	Knowledge and Scholarship	Knows	Concepts of undernutrition, overnutrition, and malnutrition	Define undernutrition, overnutrition, and malnutrition, and discuss their impact on health.	C2	Must Know	Lectures, videos, reading materials	Short-answer questions, quizzes	SAQ, group discussion	Preventive medicine, Nutrition Science
HomUG-PM III.128.02		Knows how	Causes of undernutrition and its effects	Discuss the causes, consequences, and clinical features of undernutrition.	C3	Must Know	Case studies, group discussions	Case-based scenarios, problem-solving exercises	Case analysis, oral exams	Community Health, Nutrition Science
HomUG-PM III.128.03		Knows how	pathophysiology of malnutrition	Explain the pathophysiological changes that occur in the body during malnutrition (e.g., protein-energy malnutrition).	C3	Must Know	Lectures, animations, peer discussions	Peer discussions, small group work	SAQ, group presentation	Pathophysiology, Metabolism
HomUG-PM III.128.04		Knows how	Clinical signs and symptoms of undernutrition	Identify the clinical features of undernutrition and malnutrition in children and adults.	C3	Must Know	Case studies, patient records, role-playing	Role-playing, symptom recognition exercises	Practical assessments, case study analysis	Clinical Diagnosis, Community Medicine

HomUG-PM III.128.05		Knows how	Nutritional management of undernutrition	Discuss the key strategies for managing undernutrition, including diet modification, supplementation, and monitoring.	C3	Must Know	Demonstration, clinical practice, diet planning	Practical exercises, peer learning	Written plans, diet modification assignments	Community Medicine, Dietetics
HomUG-PM III.128.06		Knows	Concept of overnutrition and its effects	Define overnutrition and explain its health risks such as obesity, type 2 diabetes, and cardiovascular diseases.	C3	Must Know	Lectures, case studies, discussions	Quiz, case review	Written exam, group presentations	Community Medicine, Internal medicine
HomUG-PM III.128.07		Knows how	Signs and symptoms of overnutrition	Identify clinical features of overnutrition and its complications such as hypertension, diabetes, and dyslipidaemia.	C3	Must Know	Role-playing, clinical practice, patient observation	Case-based learning, scenario discussions	Case studies, practical assessment	Community Medicine, Internal medicine
HomUG-PM III.128.08		Knows how	Pathophysiology and treatment of overnutrition	Discuss the pathophysiological mechanisms involved in overnutrition and treatment options such as lifestyle changes.	C3	Must Know	Lectures, research articles, group projects	Journal club discussions, research reviews	Research reports, written presentations	Community Medicine, Internal medicine

HomUG-PM III.128.09		Knows	Concept of balanced nutrition	Define balanced nutrition and its role in maintaining health and preventing both undernutrition and overnutrition.	C3	Must Know	Lectures, nutrition planning, patient assessment	Nutrition tracking, food diary reviews	Written assessments, practical case analysis	Community Medicine, Internal medicine
HomUG-PM III.128.10		Shows how	Comprehensive strategy for the prevention of malnutrition	Design public health strategies to prevent malnutrition, including community awareness, education, and screening.	C3	Must Know	Group discussions, community outreach planning	Public health campaign proposals	Final presentations, community action plans	Community Medicine, Internal medicine
HomUG-PM III.128.11		Shows how	Interdisciplinary approaches to managing malnutrition	Develop interdisciplinary care plans to address undernutrition, overnutrition, and malnutrition in patients.	C3	Must Know	Case studies, collaborative planning sessions	Team-based care plan development, role-playing	Practical team exercises, interdisciplinary report	Community Medicine, Internal medicine
HomUG-PM III.128.12		Shows how	Psychosocial and cultural aspects of malnutrition	Identify the social and cultural factors influencing the incidence and management of nutritional disorders.	C3	Must Know	Lectures, cultural sensitivity workshops	Group work, role-playing cultural scenarios	Case studies, reflective essays	Community Medicine, Internal medicine

HomUG-PM III.128.13	Homoeopathic orientation	Knows how	Role of complementary therapies like homeopathy in supporting nutritional rehabilitation	Discuss the potential benefits of homeopathic remedies and complementary approaches for managing malnutrition.	C3	Must Know	Case studies, integrative medicine workshops	Scenario-based learning, research on complementary practices	Oral exams, literature review	Internal Medicine, Homoeopathy
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Stunting and Underweight										
HomUG-PM III.129.01	Knowledge and Scholarship	Knows	Concept of stunting and underweight	Define stunting and underweight, and recognize their impact on growth and development in children.	C2	Must Know	Lectures, case discussions, reading materials	Short-answer questions, concept mapping	Written exams, group presentations	Paediatrics, Community Medicine
HomUG-PM III.129.02		Knows how	Causes of stunting and underweight	Identify the common causes of stunting and underweight in children and understand the underlying pathophysiology.	C3	Must Know	Case studies, group discussions	Case analysis, diagnostic exercises	Case-based scenarios, clinical exams	Clinical Nutrition, Infectious Diseases

HomUG-PM III.129.03		Knows how	Impact of stunting and underweight on physical and cognitive development	Describe the effects of stunting and underweight on long-term health outcomes like cognitive development and immunity.	C3	Must Know	Case studies, videos, patient histories	Role-playing, symptom recognition exercises	Written assessment, project on impact of malnutrition	paediatrics, Neurology, Physiology
HomUG-PM III.129.04		Knows how	Clinical features of stunting and underweight	Identify physical signs such as short stature, weight loss, and delayed growth patterns in clinical settings.	C3	Must Know	Clinical examination, patient observation	Clinical scenarios, patient role-play	Practical exams, objective structured clinical exam (OSCE)	Paediatrics, Clinical Methods
HomUG-PM III.129.05		Knows how	Nutritional management of stunting and underweight	Explain the nutritional management strategies for stunting and underweight, such as supplementation and balanced diet.	C3	Must Know	Demonstration, practical workshops, role-play	Practical demonstration of diet planning	Written exam, case study on intervention strategies	Nutritional Therapy, Dietetics
HomUG-PM III.129.06		Knows how	Strategies for preventing stunting and underweight at community and national levels	Design and implement public health initiatives targeting undernutrition, such as community feeding programs.	C3	Must Know	Group discussions, community outreach planning	Community project proposals, policy design	Final presentation, community campaign	Community Medicine
HomUG-PM III.129.07	Homoeopathic orientation	Knows how	Homeopathic approach to manage stunting and underweight	Discuss the potential role of homeopathy in supporting growth and nutrition for children with stunting and underweight.	C3	Must Know	Case studies, integrative medicine workshops	Group work, research review on complementary practices	Oral exams, literature review	Homoeopathic Therapeutics
HomUG-PM III.129.08	Knowledge and Scholarship	Does	Nutritional status of children for	Accurately assess the nutritional status of children, including height	P2-3	Must Know	Clinical practice, use of growth charts	Practical exams, use of clinical tools	OSCE, case-based practical assessments	Clinical Nutrition, Growth Monitoring,

		stunting and underweight	and weight for stunting and underweight.						Community Medicine
HomUG- PM III.129.09	Knows	Relationship between infections and malnutrition	Explain how repeated infections (e.g., diarrhoea, respiratory infections) contribute to stunting and underweight.	C2	Must Know	Lectures, case- based discussions, role-play	Scenario-based learning, group discussions	Written exams, case study analysis	Immunology, Paediatric Infectious Diseases
HomUG- PM III.129.10	Knows how	Collaboration between paediatricians, nutritionists, and social workers in managing stunting and underweight	Develop a team-based care plan for children suffering from stunting and underweight, involving nutritionists and other specialists.	C3	Desirable to Know	Collaborative case discussions, multidisciplinary workshops	Peer-reviewed case studies, team presentations		Internal Medicine, Diet and Nutrition
HomUG- PM III.129.11	Knows how	Monitor the progress of interventions for stunting and underweight	Monitor the progress of children with stunting and underweight by evaluating their growth, nutrition, and recovery.	C3	Must Know	Clinical follow- up, patient records review	Regular progress reports, assessment feedback	Clinical follow-up assessments, growth charts	Paediatrics, Community Medicine
HomUG- PM III.129.12	Knows how	Psychological effects of stunting and underweight	Discuss the psychosocial impact of stunting and underweight on children and their families.	C3	Must Know	Case discussions, counselling sessions	Role-play, patient interaction skills	Reflective essay, role- playing scenarios	Community Medicine, Child Psychology

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Protein Energy Malnutrition (PEM)										
HomUG-PM III.130.01	Knowledge and Scholarship	Knows	Definition of PEM and types of PEM	Define PEM and differentiate between its types based on clinical and biochemical features.	C2	Must Know	Lectures, handouts	Short-answer questions, concept recall	Written exams, definition-based MCQs	Paediatrics, Community Medicine
HomUG-PM III.130.02		Knows how	Aetiology and risk factors of PEM	Identify the major causes and risk factors for PEM in children, including socioeconomic and environmental factors.	C3	Must Know	Group discussions, case studies	Case analysis, group presentations	Written exam, case-based scenarios	Community Medicine
HomUG-PM III.130.03		Knows how	Clinical features of PEM	Recognize clinical features of marasmus, kwashiorkor, and mixed forms in affected children.	C3	Must Know	Case demonstrations, visual aids	Clinical skill assessment, symptom identification	Practical exams, OSCE	Paediatrics, Internal Medicine
HomUG-PM III.130.04		Knows how	Pathophysiology of PEM	Explain the pathophysiological changes occurring in PEM, including metabolic and systemic effects.	C3	Must Know	Lectures, group activities	Concept mapping, explanation exercises	Written exams, viva	Paediatrics, Internal Medicine, Physiology
HomUG-PM III.130.05		Knows how	Diagnostic approach to PEM	Describe the diagnostic criteria and tools used to assess PEM,	C3- P3	Must Know	Clinical demonstration,	Diagnostic exercises,	OSCE, case-based assessment	Paediatrics, Clinical Skills,

				including anthropometric measurements.			growth chart analysis	growth monitoring tests		Community Medicine
HomUG-PM III.130.06		Knows how	Management of PEM	Discuss and apply management strategies for PEM, including dietary therapy and medical interventions.	C3	Must Know	Practical workshops, role-plays	Nutrition plan creation, management cases	Written exams, practical demonstrations	Paediatrics, Internal Medicine, Community Medicine
HomUG-PM III.130.07		Knows	Complications of PEM	Identify common complications associated with PEM and their management.	C2	Must Know	Case discussions, visual presentations	Short-answer questions, case studies	Written exams, MCQs	Paediatrics, Immunology, Physiology, Internal Medicine
HomUG-PM III.130.08	Homoeopathic orientation	Knows how	Role of homeopathy in symptom management	Explain how homoeopathic remedies can complement nutritional therapy for PEM.	C3	Must Know	Case discussions, integrative care sessions	Case presentations, therapy discussions	Case-based essay, integrative health exam	Homoeopathy therapeutics
HomUG-PM III.130.09	Knowledge and Scholarship	Knows how	Preventive strategies for PEM	Design community-based strategies for PEM prevention, focusing on nutrition education and poverty alleviation.	C3	Must Know	Group projects, community outreach programs	Public health strategy proposals	Group presentations, field project evaluation	Community Medicine, Paediatrics
HomUG-PM III.130.10		Knows how	Monitor and evaluate recovery in PEM patients	Evaluate the effectiveness of PEM interventions using monitoring tools and follow-up assessments.	C3	Must Know	Clinical practice, follow-up case studies	Growth monitoring reports, follow-up cases	Practical assessment, growth chart reviews	Paediatrics, Clinical Medicine, Community Medicine
HomUG-PM III.130.11		Knows how	Psychosocial aspects of PEM	Discuss the psychological and social consequences of	C3	Must Know	Role-play, patient interaction sessions	Role-play scenarios, group discussion	Reflective essay, case-based evaluation	Child Psychology, Community Medicine

				PEM and strategies to address them.						
HomUG-PM III.130.12		Shows how	Involvement of dietitians, paediatricians, social workers	Develop a multidisciplinary care plan for PEM management involving various healthcare professionals.	C3	Must Know	Case discussions, team-based learning	Multidisciplinary care plan presentation	Final group project, team presentation	Paediatrics, Internal Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Deficiency of Fat-Soluble Vitamins										
HomUG-PM III.131.01	Knowledge and Scholarship	Knows	Definition and classification of fat-soluble vitamins (A, D, E, K)	Define fat-soluble vitamins and list their functions and dietary sources.	C2	Must Know	Lecture, handouts	MCQs, short-answer questions	Written exams, objective-type questions	Biochemistry
HomUG-PM III.131.02		Knows how	clinical features of Vitamin A deficiency	Identify the symptoms and signs of Vitamin A deficiency.	C3	Must Know	Case studies, visual aids	Symptom identification, clinical reasoning	OSCE, case-based scenarios	Physiology and Biochemistry
HomUG-PM III.131.03		Knows how	Clinical features of Vitamin D deficiency	Identify the clinical presentations of Vitamin D deficiency in different age groups.	C3	Must Know	Case demonstrations, X-ray reviews	Symptom identification, diagnostic exercises	Practical exams, MCQs	Physiology and Biochemistry

HomUG-PM III.131.04		Knows how	clinical features of Vitamin E deficiency	Describe the clinical manifestations of Vitamin E deficiency and its neurological implications.	C3	Must Know	Lecture, group discussions	Symptom-based quizzes, reasoning exercises	Written exams, clinical case discussions	Physiology and Biochemistry
HomUG-PM III.131.05		Knows how	clinical features of Vitamin K deficiency	Identify the symptoms of Vitamin K deficiency and its role in coagulation pathways.	C3	Must Know	Case studies, coagulation experiments	Clotting test analysis, symptom reasoning	Practical exams, coagulation assessment	Physiology and Biochemistry
HomUG-PM III.131.06		Knows how	Pathophysiology of fat-soluble vitamin deficiencies	Describe the pathophysiological basis for fat-soluble vitamin deficiencies and their systemic impact.	C3	Must Know	Lectures, group discussions	Concept mapping, pathophysiology exercises	Written exams, viva	Physiology and Biochemistry
HomUG-PM III.131.07		Knows how	Diagnostic approach to fat-soluble vitamin deficiencies	Discuss and apply diagnostic criteria for identifying fat-soluble vitamin deficiencies.	C3	Must Know	Clinical demonstration, lab test reviews	Lab result interpretation, diagnostic cases	OSCE, case-based assessment	Clinical Skills, Physiology and Biochemistry
HomUG-PM III.131.08		Knows how	Management strategies for deficiencies	Formulate management plans for addressing deficiencies, including dose adjustments based on age and severity.	C3	Must Know	Practical workshops, role-plays	Nutrition plan formulation, management cases	Case-based scenarios, practical exams	Clinical Nutrition, Paediatrics, Internal Medicine
HomUG-PM III.131.09		Shows how	Preventive strategies for deficiencies	Design community-based preventive measures for fat-	C3-P3	Must Know	Group projects, community health activities	Program proposals, prevention strategy designs	Group presentations, field project reviews	Community Medicine

				soluble vitamin deficiencies.						
HomUG-PM III.131.10	Homoeopathic orientation	Knows how	Role of homoeopathy in symptom management	Discuss the role of homoeopathy in managing symptoms related to deficiencies.	C3	Desirable to Know	Case discussions, therapy sessions	Remedy selection exercises, therapy evaluation	Case-based essay, integrative medicine exams	Homoeopathic therapeutics
HomUG-PM III.131.11	Knowledge and Scholarship	Knows how	Monitoring and evaluation of recovery in deficiency patients	Evaluate the effectiveness of interventions using clinical and laboratory parameters.	C3	Must Know	Follow-up visits, patient monitoring	Growth chart reviews, symptom tracking logs	Clinical case reviews, practical assessments	Clinical Monitoring, Paediatrics
HomUG-PM III.131.12		Knows how	Multidisciplinary teams for management	Develop a multidisciplinary plan for treating and preventing fat-soluble vitamin deficiencies.	C3	Must Know	Role-playing, team-based learning	Multidisciplinary case management evaluations	Final presentations, teamwork assessments	Paediatrics, Internal Medicine, Community Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Deficiency of Water-Soluble Vitamins										
HomUG-PM III.132.01	Knowledge and Scholarship	Knows	Definition and classification of	Define water-soluble vitamins and list their functions and dietary sources.	C2	Must Know	Lecture, handouts	MCQs, short-answer questions	Written exams, objective-	Biochemistry, Nutrition

			water-soluble vitamins						type questions	
HomUG-PM III.132.02	Knows how	Clinical features of Thiamine (B1) deficiency	Identify the signs and symptoms of Thiamine deficiency.	C3	Must Know	Case studies, visual aids	Symptom identification, clinical reasoning	OSCE, case-based scenarios	Physiology, Biochemistry, Clinical Medicine	
HomUG-PM III.132.03	Knows how	Clinical features of Riboflavin (B2) deficiency	Identify clinical presentations of Riboflavin deficiency.	C3	Must Know	Case demonstrations, pictures	Symptom identification, diagnostic exercises	Practical exams, MCQs	Physiology, Biochemistry, Clinical Medicine	
HomUG-PM III.132.04	Knows how	Clinical features of Niacin (B3) deficiency	Describe the classical triad of Pellagra and associated symptoms.	C3	Must Know	Lecture, case studies	Symptom-based quizzes, reasoning exercises	Written exams, clinical case discussions	Physiology, Biochemistry, Clinical Medicine	
HomUG-PM III.132.05	Knows how	Clinical features of Pyridoxine (B6) deficiency	Identify the symptoms of Pyridoxine deficiency and its neurological implications.	C3	Must Know	Lecture, group discussions	Symptom-based questions, reasoning exercises	Objective tests, viva	Physiology, Biochemistry, Clinical Medicine	
HomUG-PM III.132.06	Knows how	Clinical features of Cobalamin (B12) deficiency	Identify clinical signs and symptoms of B12 deficiency in different systems.	C3	Must Know	Case studies, neurological exams	Symptom reasoning, diagnostic cases	Case-based scenarios, practical exams	Physiology, Biochemistry, Clinical Medicine	
HomUG-PM III.132.07	Knows how	Clinical features of Folate deficiency	Describe clinical features and implications of folate deficiency.	C3	Must Know	Lecture, fetal development discussions	Lab interpretation, symptom analysis	Practical exams, viva	Physiology, Biochemistry, Clinical Medicine	
HomUG-PM III.132.08	Knows how	Clinical features of Vitamin C deficiency	Identify the symptoms of Vitamin C deficiency and its role in collagen synthesis.	C3	Must Know	Case studies, patient simulations	Symptom identification, diagnostic reasoning	OSCE, case-based	Physiology, Biochemistry, Clinical Medicine	

									discussions	
HomUG-PM III.132.09		Knows how	Pathophysiology of water-soluble vitamin deficiencies	Describe the pathophysiological basis for water-soluble vitamin deficiencies and their systemic impact.	C3	Must Know	Lectures, group discussions	Concept mapping, pathophysiology exercises	Written exams, viva	Physiology, Biochemistry, Clinical Medicine
HomUG-PM III.132.10		Knows how	Diagnostic approach to deficiencies of water-soluble vitamin deficiencies	Discuss and apply diagnostic criteria for identifying water-soluble vitamin deficiencies.	C3	Must Know	Lab demonstrations, clinical scenarios	Lab result interpretation, diagnostic cases	OSCE, lab-based assessments	Physiology, Biochemistry, Clinical Medicine
HomUG-PM III.132.11		Knows how	Management strategies for deficiencies	Formulate treatment plans for addressing deficiencies.	C3	Must Know	Practical workshops, patient simulations	Nutrition plan formulation, case discussions	Case-based scenarios, practical exams	Physiology, Paediatrics, Internal Medicine
HomUG-PM III.132.12		Knows how	Preventive strategies for deficiencies	Design community-based preventive measures for water-soluble vitamin deficiencies.	C3	Must Know	Role-plays, project-based learning	Program proposals, prevention strategy designs	Group presentations, public health reviews	Community Medicine, Internal Medicine
HomUG-PM III.132.13	Homoeopathic orientation	Knows how	Role of homoeopathy in symptom management	Discuss the complementary role of homoeopathy in managing symptoms of deficiencies.	C3	Must Know	Case discussions, integrative medicine	Remedy selection exercises, therapy evaluation	Case-based essay, integrative exams	Homoeopathic Therapeutics
HomUG-PM III.132.14	Knowledge and Scholarship	Knows how	Multidisciplinary teams for care	Develop a multidisciplinary approach for treating and preventing deficiencies.	C3	Desirable to Know	Team discussions, project-based learning	Multidisciplinary case management evaluations	Final presentations, teamwork	Community Medicine, Internal Medicine

HomU G-PM III.133 .04		Knows how	Clinical features and complications of Obesity	Identify clinical signs and complications of obesity.	C3	Must Know	Case studies, patient interactions	Case-based quizzes, reasoning exercises	OSCE, case- based discussions	Internal Medicine
HomU G-PM III.133 .05		Shows how	Diagnostic evaluation	Perform diagnostic evaluations to assess obesity and associated metabolic risks.	C3 - P3	Must Know	Lab demonstratio ns, clinical scenarios	Lab result interpretation , symptom analysis	Objective structured clinical exams (OSCE)	Internal Medicine, Endocrinology
HomU G-PM III.133 .06		Knows how	Management strategies	Formulate management strategies including dietary plans and physical activity regimens.	C3 - P3	Must Know	Practical workshops, patient simulations	Treatment plan formulation, case discussions	Case-based scenarios, viva	Clinical Nutrition, Physiotherapy, Internal Medicine
HomU G-PM III.133 .07		Knows how	pharmacological and surgical interventions	Understand the indications and principles of pharmacological and surgical treatments for obesity.	C3 - P3	Desira ble to Know	Lectures, multimedia resources	Therapy evaluation exercises, discussions	Written exams, practical exams	Pharmacology, Surgery
HomU G-PM III.133 .08		Shows how	preventive strategies	Design prevention strategies for obesity at community and individual levels.	C3 - P3	Must Know	Role-plays, community projects	Program proposal evaluations, public health reviews	Group presentations, prevention campaigns	Community Medicine, Internal Medicine
HomU G-PM III.133 .09	Homoeopa thic orientation	Knows how	Homoeopathy's role in adjunct care	Explore the adjunctive role of homeopathy in obesity management.	C3 - P3	Must Know	Case discussions, patient- centered learning	Remedy selection, integrative approach discussions	Case-based essay, integrative assessments	Homeopathy, Complementary Medicine
HomU G-PM III.133 .10	Knowledg e and Scholarshi p	Knows how	Psychosocial impact of obesity	Recognize and address the psychosocial aspects of obesity in patient care.	C3 - P3	Desira ble to Know	Group discussions, counselling role-plays	Role-play feedback, psychosocial care exercises	Practical exams, OSCE	Internal Medicine, Psychology - Psychiatry

HomUG-PM III.133 .11	Shows how	Collaborate with multidisciplinary teams	Plan multidisciplinary approaches for comprehensive obesity management.	C3 - P3	Desirable to Know	Team discussions, project-based learning	Multidisciplinary case management evaluations	Teamwork assessments, final presentations	Internal Medicine, Psychology - Psychiatry
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Iodine Deficiency Disorders										
HomUG-PM III.134.01	Knowledge and Scholarship	Knows	Definition of iodine deficiency disorders (IDD)	Define iodine deficiency disorders and recognize their significance as public health issues.	C2	Must Know	Lecture, visual aids	MCQs, short-answer questions	Written exams, objective-type questions	Physiology, Biochemistry, Endocrinology
HomUG-PM III.134.02		Knows	epidemiology of iodine deficiency	Describe the epidemiology and burden of iodine deficiency globally and in India.	C2	Must Know	Lecture, group discussions	Quizzes, group assignments	Objective tests, presentations	Community Medicine
HomUG-PM III.134.03		Knows how	pathophysiology of iodine deficiency	Discuss the physiological role of iodine and the pathophysiological effects of its deficiency.	C3	Must Know	Diagrams, animations	Pathophysiology exercises	Written exams, case-based discussions	Endocrinology, Pathology, Biochemistry
HomUG-PM III.134.04		Knows how	clinical features of iodine deficiency disorders	Identify the clinical signs and symptoms associated with iodine deficiency.	C4	Must Know	Clinical case scenarios, patient simulations	Case-based quizzes, reasoning exercises	OSCE, case-based discussions	Internal Medicine, Paediatrics

HomUG-PM III.134.05		Shows how	Diagnostic evaluation of Iodine Deficiency	Perform diagnostic evaluations to confirm iodine deficiency.	C3-P3	Must Know	Lab demonstrations, clinical scenarios	Lab result interpretation, clinical exercises	Objective structured clinical exams (OSCE)	Internal Medicine, Endocrinology Physiology
HomUG-PM III.134.06		Knows how	Management strategies for IDD	Develop management plans including supplementation and dietary adjustments.	C3	Must Know	Practical workshops, patient simulations	Treatment plan formulation, case discussions	Case-based scenarios, viva	Internal Medicine, Community medicine
HomUG-PM III.134.07		Knows how	preventive measures for Iodine deficiency	Discuss preventive measures including iodized salt programs and community health interventions.	C3	Must Know	Community-based projects, role-plays	Program proposal evaluations, health reviews	Group presentations, campaigns	Community Medicine
HomUG-PM III.134.08	Homoeopathic orientation	Knows how	Role of homoeopathy in adjunct care	Explore adjunctive homoeopathic remedies for iodine deficiency disorders.	C3	Must Know	Case discussions, integrative learning	Remedy selection, integrative approach discussions	Case-based essay, integrative assessments	Homoeopathic Therapeutics
HomUG-PM III.134.09	Knowledge and Scholarship	Knows how	Psychosocial and developmental aspects	Recognize the impact of iodine deficiency on psychosocial and cognitive development.	C3	Desirable to Know	Group discussions, counselling role-plays	Role-play feedback, psychosocial care exercises	Practical exams, OSCE	Paediatrics, Psychology
HomUG-PM III.134.10		Knows how	National programs for IDD elimination	Participate in implementing and evaluating national programs for IDD prevention.	C3	Desirable to Know	Project-based learning, fieldwork	Program evaluation exercises		Community Health, National Health Programs

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Micronutrient Deficiencies										
HomUG-PM III.135.01	Knowledge and Scholarship	Knows	Definition, types of micronutrient deficiencies	Define micronutrient deficiencies and their significance in global and Indian health contexts.	C2	Must Know	Lecture, handouts	MCQs, short-answer questions	Written exams, objective-type questions	Biochemistry, Community medicine
HomUG-PM III.135.02		Knows	epidemiology of common deficiencies	Describe the prevalence and risk factors for common micronutrient deficiencies.	C2	Must Know	Data analysis exercises, discussions	Data interpretation quizzes, group tasks	Objective tests, essays	Community Medicine
HomUG-PM III.135.03		Knows how	clinical features of common deficiencies	Identify clinical signs and symptoms associated with common micronutrient deficiencies.	C3	Must Know	Case-based learning, clinical vignettes	Symptom recognition exercises	OSCE, case-based discussions	Internal Medicine
HomUG-PM III.135.04		Knows how	Diagnostic methods	Describe the diagnostic evaluations for common micronutrient deficiencies.	C3	Must Know	Lab demonstrations, clinical case scenarios	Lab result interpretations, clinical reasoning	OSCE, practical exams	Internal Medicine, Biochemistry
HomUG-PM III.135.05		Knows how	Management strategies	Develop management plans tailored to specific micronutrient deficiencies.	C3	Must Know	Workshops, role-plays, community interventions	Case management exercises	Clinical case presentations	Internal Medicine, Community Medicine
HomUG-PM III.135.06		Knows how	Preventive strategies	Design preventive strategies for combating micronutrient deficiencies.	C3	Must Know	Community-based projects, group discussions	Prevention program evaluations	Campaign presentations	Community Medicine, Public Policy

HomUG-PM III.135.07		Knows how	Impacts on education, productivity, growth, and development	Analyse the psychosocial and developmental impacts of micronutrient deficiencies.	C3	Must Know	Group discussions, role-plays	Discussion reflections, group exercises	Essay-based questions, role-plays	Paediatrics, Psychology, Internal Medicine
HomUG-PM III.135.08	Homoeopathic orientation	Knows how	Homoeopathy in adjunct management	Explore adjunctive homoeopathic remedies for managing micronutrient deficiencies.	C3	Must Know	Case discussions, integrative approach workshops	Remedy selection, integrative care planning	Viva, integrative essays	Homeopathic therapeutics
HomUG-PM III.135.09	Knowledge and Scholarship	Knows how	Role of community programs in addressing deficiencies	Collaborate with national and community programs to address deficiencies.	C3	Must Know	Field visits, project-based learning	Program evaluation assignments		Community Medicine, National Health Policies
HomUG-PM III.135.10		Knows how	Policy and awareness campaigns	Advocate for policies and awareness to prevent and manage micronutrient deficiencies.	C3	Must Know	Role-plays, campaign planning workshops	Campaign proposal presentations		Community Medicine, National Health Policies

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Wilson's Disease/Haemochromatosis/Porphyria										

Wilson's Disease										
HomUG-PM III.136.0 1	Knowledge and Scholarship	Knows	Definition of Wilson's disease	Define Wilson's disease and its genetic basis.	C2	Must Know	Lecture, handouts	MCQs, short-answer questions	Written exams	Physiology, Internal medicine
HomUG-PM III.136.0 2		Knows	Pathophysiology of Wilson's Disease	Describe the pathophysiology and target organs involved in Wilson's disease.	C2	Must Know	Case-based discussion	Pathophysiology quizzes	OSCE, case-based discussions	Pathology, Internal Medicine
HomUG-PM III.136.0 3		Knows how	Clinical features of Wilson's Disease	Recognize the clinical features including Kayser-Fleischer rings and hepatic dysfunction.	C3	Must Know	Visual aids, clinical cases	Symptom recognition tasks	OSCE, case presentation	Internal Medicine
HomUG-PM III.136.0 4		Knows how	Diagnostic evaluation of Wilson's Disease	Perform diagnostic evaluations for Wilson's disease.	C3	Must Know	Lab demos, discussions	Diagnostic reasoning exercises	Practical exams	Internal Medicine
HomUG-PM III.136.0 5		Knows how	Management strategies for Wilson's Disease	Develop treatment plans for managing Wilson's disease.	C3	Desirable to Know	Clinical role-play	Management exercises	LAQ, SAQ	Pharmacology, Internal Medicine
Hemochromatosis										
HomUG-PM III.136.0 6	Knowledge and Scholarship	Knows	Definition of Haemochromatosis	Define Haemochromatosis and its genetic forms (HFE-related).	C2	Must Know	Lecture	MCQs, short-answer questions	LAQ, SAQ	Physiology, Internal medicine
HomUG-PM III.136.0 7		Knows	Pathophysiology of Haemochromatosis	Describe the mechanisms leading to organ damage in Haemochromatosis.	C2	Must Know	Diagrams, discussion	Concept-based quizzes	Written exams	Pathology, Internal Medicine

HomUG-PM III.136.08		Knows how	Clinical features of Haemochromatosis	Identify key symptoms and complications like diabetes and cirrhosis.	C3	Must Know	Case studies, visuals	Symptom-focused quizzes	OSCE, case-based questions	Internal Medicine
HomUG-PM III.136.09		Knows how	Diagnostic evaluation of Haemochromatosis	Perform and interpret diagnostic tests for iron overload.	C3	Must Know	Lab sessions	Diagnostic test interpretation	Practical exams	Internal Medicine
HomUG-PM III.136.10		Knows how	Management strategies for Haemochromatosis	Develop management strategies including lifestyle modifications.	C3	Desirable to Know	Role-play, clinical cases	Treatment planning exercises	Viva, case presentations	Surgery, Pharmacology, Internal Medicine

Porphyria

HomUG-PM III.136.11	Knowledge and Scholarship	Knows	Definition of Porphyria	Define Porphyria and classify its types (acute vs cutaneous).	C2	Must Know	Lecture	MCQs, short-answer questions	Written exams	Physiology, Internal medicine
HomUG-PM III.136.12		Knows	Pathophysiology of Porphyria	Explain the biochemical defect and its clinical manifestations.	C2	Must Know	Case-based learning	Pathophysiology quizzes	Written exams	Pathology, Internal Medicine
HomUG-PM III.136.13		Knows how	Clinical features of Porphyria	Identify key features differentiating acute and cutaneous Porphyria.	C3	Must Know	Visual aids, clinical cases	Symptom-focused exercises	OSCE, case-based essays	Internal Medicine
HomUG-PM III.136.14		Knows how	Diagnostic evaluation of Porphyria	Identify diagnostic techniques for Porphyria.	C3	Must Know	Lab demos, discussions	Diagnostic exercises	Practical exams	Internal Medicine
HomUG-PM		Knows how	Management strategies for Porphyria	Design acute and preventive management plans for Porphyria.	C3	Must Know	Clinical discussions	Treatment-focused tasks	Case-based	Pharmacology, Internal Medicine

III.136.1 5										presenta tions
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Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Amyloidosis										
HomUG-PM III.137.01	Knowledge and Scholarship	Knows	Definition of Amyloidosis	Define amyloidosis and understand its classification into AL, AA, ATTR, and other types.	C2	Must Know	Lecture, handouts	MCQs, flashcards	Written exams	Physiology, Biochemistry
HomUG-PM III.137.02		Knows	Pathophysiology of Amyloidosis	Explain the pathophysiological basis, including misfolded protein aggregation and systemic deposition leading to organ dysfunction.	C2	Must Know	Diagram-based learning	Concept mapping exercises	Written exams	Physiology, Biochemistry, Pathology
HomUG-PM III.137.03		Knows	Classification of Amyloidosis	Differentiate between primary, secondary, hereditary, and localized forms of amyloidosis based on aetiology and amyloid protein type.	C2	Must Know	Group discussions	Classification quizzes	Case-based essays	Internal medicine
HomUG-PM III.137.04		Knows how	Clinical manifestations of Amyloidosis	Identify systemic and localized symptoms such as nephrotic syndrome, cardiomyopathy, hepatomegaly, neuropathy, and skin changes.	C3	Must Know	Clinical case discussions	Symptom identification tasks	OSCE, case-based exams	Internal medicine

HomUG-PM III.137.05		Knows how	Diagnostic evaluation of Amyloidosis	Explain the use of Congo red staining, immunohistochemistry, serum amyloid A (SAA) levels, and genetic testing for diagnosis.	C3	Must Know	Lab demonstrations	Diagnostic test exercises	Practical exams	Pathology, Internal Medicine
HomUG-PM III.137.06		Knows how	Importance of radiological investigations in Amyloidosis	Discuss the imaging modalities such as echocardiography for cardiac involvement and SAP scintigraphy for amyloid localization.	C3	Must Know	Radiology-based sessions	Interpretation of imaging tasks	Practical exams	Internal medicine, Radiology
HomUG-PM III.137.07		Knows how	Complication of Amyloidosis	List and explain complications such as progressive organ dysfunction, arrhythmias, and susceptibility to infections.	C3	Must Know	Case discussions	Complication-focused tasks	Case presentations	Internal Medicine
HomUG-PM III.137.08		Knows how	Management strategies for Amyloidosis	Understand treatment modalities including chemotherapy (e.g., melphalan for AL amyloidosis), organ-specific management, and supportive care.	C3	DK	Role-play, clinical cases	Treatment plan development	Case-based viva	Internal Medicine, Oncology
HomUG-PM III.137.09		Knows how	Research in management strategies for Amyloidosis	Discuss emerging treatments like Tafamidis for ATTR amyloidosis and gene-editing technologies targeting hereditary amyloidosis.	C3	DK	Seminar, journal review	Research-focused discussions	Essay questions	Pharmacology, Genetics
HomUG-PM III.137.10		Knows how	adjunctive therapies and palliation in Amyloidosis	Explain the role of adjunctive therapies such as dietary adjustments and symptom-based management to improve the patient's quality of life.	C3	DK	Patient simulation	Quality-of-life improvement tasks	Case-based essays	Nutrition, Palliative care

COMPETENCY TABLES - GERIATRIC DISORDERS

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain / Guilbert's Level	Priority - Must Know/Desirable to know/nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Disabilities In Geriatric Population										
HomU G-PM III.138 .01	Knowledge and Scholarship	Knows	Common disabilities in the elderly	List common disabilities (Physical and Sensory) affecting the geriatric population.	C2	Must Know	Lectures, group discussions	MCQs, Q&A	Written exams	Geriatrics, Community Medicine
HomU G-PM III.138 .02		Knows	Risk factors for geriatric disabilities	Identify the major contributors to disabilities in the elderly.	C2	Must Know	Interactive lectures, case-based learning	Case-based discussions, spot tests	Written exams, practical scenarios	Geriatrics, Internal Medicine
HomU G-PM III.138 .03		Knows how	Comprehensive functional assessment	Assess functional abilities and limitations in geriatric patients. (ADLs, IADLs, Gait & Balance tests)	C3	Must Know	Clinical demonstrations, skill workshops	Case-based evaluations, skill demonstrations	OSCE, practical exams	Geriatrics, Rehabilitation
HomU G-PM III.138 .04		Knows how	Multidisciplinary management plan	Design and implement a care plan addressing physical, cognitive, and emotional needs.	C3	Desirable to know	Case-based discussions, group activities	Case-based evaluations, reflective exercises	OSCE, simulated patient interactions	Geriatrics, Physiotherapy
HomU G-PM III.138 .05		Knows how	Psychological and social impacts of disabilities	Recognize the psychosocial challenges faced by elderly individuals with disabilities.	C3	Must Know	Role-play, group discussions	Reflective assessments, case-based discussions	OSCE, written exams	Geriatrics, Psychiatry

HomU G-PM III.138 .06		Knows how	Preventive strategies for disability	Advise on lifestyle modifications and preventive measures to reduce disability risk.	C3	Must Know	Interactive workshops, family- centered learning	Q&A, case- based discussions	Written exams, role-play scenarios	Geriatrics, Public Health
HomU G-PM III.138 .07	Homoeopa thic orientation	Knows how	Homoeopathic remedies to support disability management	Apply homoeopathic remedies in the comprehensive care of geriatric disabilities.	C3	Nice to Know	Homoeopat hic case discussions, simulation- based learning	Case discussions, oral discussions	Practical homoeopat hic exams	Homoeopathic Therapeutics
HomU G-PM III.138 .08	Knowledg e and Scholarshi p	Knows how	Legal and ethical considerations in elderly care	Ensure ethical practices in the management and care of disabled geriatric patients.	C3	Must Know	Scenario- based learning, group discussions	Reflective practice, Q&A	OSCE, practical evaluations	Geriatrics, Medical Ethics
HomU G-PM III.138 .09		Knows how	Stress management and supportive roles of care givers	Guide caregivers in effectively supporting elderly patients and managing their own stress.	C3	Nice to Know	Interactive workshops, role-play	Group discussions, Q&A	OSCE, case-based discussions	Geriatrics, Public Health
HomU G-PM III.138 .10		Knows how	Follow-up and monitoring for functional improvement	Evaluate outcomes and modify management plans based on the patient's evolving needs.	Applicat ion	Must Know	Case follow-ups, reflective practice sessions	Skill demonstrations, case reviews	Practical exams, OSCE	Geriatrics

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Common Geriatric Problems										
HomUG-PM III.139.01	Knowledge and Scholarship	Knows	Concept of multimorbidity in geriatrics	Define multimorbidity and describe its impact on geriatric care.	C2	Must Know	Lectures, interactive sessions	MCQs, Q&A	Written exams	Geriatrics, Internal Medicine
HomUG-PM III.139.02		Knows	Common geriatric syndromes	Recognize the common geriatric syndromes and their clinical presentations.	C2	Must Know	Case-based discussions, group learning	Q&A, case-based evaluations	Written exams	Geriatrics, Community Medicine
HomUG-PM III.139.03		Knows how	Comprehensive geriatric assessment (CGA)	Conduct CGA to evaluate multimorbidity in geriatric patients.	C3-P3	Must Know	Clinical demonstrations, skill workshops	Case discussions, skill demonstrations	OSCE, practical exams	Geriatrics, Psychiatry
HomUG-PM III.139.04		Knows how	Personalized care plan	Create an individualized care plan for managing multimorbidity in elderly patients.	C3-P3	Nice to Know	Role-play, group activities	Reflective exercises, case-based discussions	Written exams, simulated patient interactions	Geriatrics, Rehabilitation
HomUG-PM III.139.05		Knows how	Deprescribing, drug interactions, and medication reconciliation	Address polypharmacy challenges and ensure safe prescribing practices in the elderly.	C3	Nice to Know	Lectures, case-based discussions	Case discussions, Q&A	Written exams, OSCE	Geriatrics, Pharmacology
HomUG-PM III.139.06	Homoeopathic orientation	Knows how	Homoeopathic management of common geriatric problems	Apply homoeopathic remedies alongside conventional treatments to improve geriatric care outcomes.	C3	Nice to Know	Homoeopathic case discussions, problem-based learning	Reflective practice, oral discussions	Practical exams in homoeopathy	Homoeopathic Therapeutics
HomUG-PM III.139.07	Knowledge and Scholarship	Knows how	Psychological and social impacts of multimorbidity	Recognize and manage psychosocial challenges associated with multimorbidity in the elderly.	C3	Must Know	Role-play, group discussions	Reflective assessments, Q&A	OSCE, written exams	Geriatrics, Psychiatry

HomUG-PM III.139.08	Knows how	Preventive strategies	Advise on prevention and risk reduction strategies to manage multimorbidity.	C3	Must Know	Interactive workshops, family-centered learning	Q&A, case-based discussions	Written exams, role-play scenarios	Geriatrics, Public Health
HomUG-PM III.139.09	Knows how	Caregiving strategies and stress management	Guide caregivers on effective caregiving techniques and managing their own stress.	C3	Nice to Know	Workshops, role-play	Group discussions, reflective exercises	OSCE, case-based discussions	Geriatrics, Community Medicine
HomUG-PM III.139.10	Knows how	Regular follow-ups, reassessment of goals, and adjustment of care plans	Continuously assess and modify management plans based on the patient's evolving condition.	C3	Must Know	Case follow-ups, reflective practice sessions	Skill demonstrations, case reviews	Practical exams, OSCE	Geriatrics

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Gait Disorders										
HomUG-PM III.140.01	Knowledge and Scholarship	Knows	Phases of gait, age-related	Describe the normal gait cycle and the physiological changes in the elderly.	C2	Must Know	Lectures, illustrations, videos	MCQs, Q&A	Written exams	Geriatrics, Physiology

			changes in gait							
HomUG-PM III.140.02		Knows	Common gait disorders in the elderly	Recognize and differentiate common gait disorders and their underlying causes.	C2	Must Know	Case-based learning, group discussions	Case studies, Q&A	Written exams, case-based assessments	Geriatrics, Neurology
HomUG-PM III.140.03		Knows how	Gait assessment	Demonstrate the use of clinical tools and techniques for assessing gait in elderly patients.	C3-P3	Must Know	Clinical demonstrations, skill workshops	Practical skill demonstrations	OSCE, practical exams	Geriatrics, Rehabilitation
HomUG-PM III.140.04		Knows how	Correlation of gait abnormalities with underlying conditions	Establish a link between gait abnormalities and their underlying aetiologies.	C3	Must Know	Case-based discussions, problem-based learning	Reflective exercises, Q&A	Written exams, OSCE	Geriatrics, Neurology
HomUG-PM III.140.05		Knows how	Management plan for gait disorders	Formulate a comprehensive management plan tailored to the patient's condition.	C3	Must Know	Role-play, interactive group discussions	Case discussions, reflective exercises	Written exams, simulated patient interactions	Geriatrics, Rehabilitation
HomUG-PM III.140.06	Homoeopathic orientation	Knows how	Homoeopathic management of underlying causes	Apply homoeopathic remedies to alleviate symptoms and improve mobility in elderly patients.	C3	Must Know	Homoeopathic case discussions, problem-based learning	Oral discussions, reflective practice	Practical exams in homoeopathy	Homoeopathy, Geriatrics
HomUG-PM III.140.07	Knowledge and Scholarship	Knows how	Fall risks and prevention	Identify and implement strategies to minimize fall risk in patients with gait disorders.	C3	Must Know	Interactive workshops, simulation exercises	Group discussions, case reviews	OSCE, written exams	Geriatrics, Public Health
HomUG-PM III.140.08		Knows how	Techniques for safe patient	Train caregivers to assist elderly patients with mobility	C3	Nice to Know	Role-play, group activities	Reflective exercises, skill demonstrations	OSCE, case-based discussions	Geriatrics, Community Medicine

			transfers, use of assistive devices	and ensure safety during transfers.						
HomUG-PM III.140.09		Knows how	Follow-ups, reassessment of mobility, and quality of life	Regularly evaluate the effectiveness of treatment plans and adjust interventions as needed.	C3	Must Know	Case follow-ups, observational learning	Reflective practice, case discussions	Practical exams, OSCE	Geriatrics
HomUG-PM III.140.10		Knows how	Exercises, nutritional support, and addressing comorbidities	Educate patients and families on preventive strategies to maintain and improve gait function in the elderly.	C3	Nice to Know	Interactive sessions, educational videos	Q&A, patient education scenarios	Written exams, role-play scenarios	Geriatrics, Public Health

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Elder Abuse										
HomUG-PM III.141.01	Knowledge and Scholarship	Knows	Types and prevalence of elder abuse	Define elder abuse and describe its various types and prevalence in society.	C2	Must Know	Lectures, interactive discussions	MCQs, Q&A	Written exams	Geriatrics, Public Health
HomUG-PM III.141.02		Knows	Risk factors and signs of elder abuse	Identify common risk factors and clinical signs indicative of elder abuse.	C2	Must Know	Case discussions, problem-based learning	Case studies, Q&A	Written exams	Geriatrics, Community Medicine
HomUG-PM III.141.03		Knows how	Systematic assessment for elder abuse	Demonstrate effective history-taking and use of	C3-P3	Must Know	Clinical demonstrations, role-playing	OSCE, skill assessments	Practical exams	Geriatrics, Forensic Medicine

				tools to assess and document elder abuse.						
HomUG-PM III.141.04		Knows	Legal and ethical aspects of elder abuse	Explain the legal requirements for reporting elder abuse and addressing ethical challenges in such cases.	C2	Must Know	Lectures, legal case studies	MCQs, Q&A	Written exams, case-based scenarios	Geriatrics, Forensic Medicine
HomUG-PM III.141.05		Knows how	Intervention and management plan	Formulate an intervention plan including immediate care, counselling, and long-term strategies for elder abuse.	C3	Must Know	Case-based learning, group discussions	Case reviews, reflective exercises	OSCE, case-based assessments	Geriatrics, Community Medicine
HomUG-PM III.141.06	Homoeopathic orientation	Knows how	Homoeopathic remedies for trauma, anxiety, and emotional distress	Apply homoeopathic remedies to manage physical and emotional consequences of elder abuse.	C3	Nice to Know	Homoeopathic case discussions, reflective practice	Oral discussions, reflective exercises	Practical exams	Homoeopathic Therapeutics
HomUG-PM III.141.07	Knowledge and Scholarship	Knows how	Awareness campaigns, stress management for caregivers	Plan and implement educational initiatives to prevent elder abuse and support caregivers.	C3	Nice to Know	Role-play, community-based teaching	Patient education scenarios, group discussions	Written exams, simulation exercises	Public Health, Geriatrics
HomUG-PM III.141.08		Knows how	Resources for victim support	List and refer patients to appropriate support services for elder abuse victims.	C3	Must Know	Interactive sessions, panel discussions	Reflective exercises, group discussions	Written exams	Geriatrics, Community Medicine
HomUG-PM III.141.09		Knows how	Outcome of interventions and long-term safety and well-being	Demonstrate skills in monitoring the patient's condition and revising the care plan as necessary.	C3	Must Know	Case follow-ups, observational learning	Reflective practice, progress reports	OSCE, practical exams	Geriatrics

HomUG-PM III.141.10		Knows how	Caregiver support, elder self-help groups, community outreach	Design and advocate for preventive strategies to reduce the incidence of elder abuse.	Application	Nice to Know	Workshops, advocacy campaigns	Group projects, Q&A	Written exams, role-play scenarios	Geriatrics, Public Health
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COMPETENCY TABLES - DISORDERS ASSOCIATED WITH ENVIRONMENTAL EXPOSURE

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Diseases of Altitude										
HomUG-PM III.142.01	Knowledge and Scholarship	Knows	Physiological changes at high altitude	Explain the body's adaptation mechanisms to high-altitude environments.	C2	Must Know	Lectures, group discussions	MCQs, Q&A	Written exams	Physiology, Pulmonology
HomUG-PM III.142.02		Knows	Clinical presentations of altitude sickness	Identify symptoms, risk factors, and progression of altitude sickness conditions.	C2	Must Know	Case discussions, interactive sessions	Case-based scenarios, Q&A	Written exams	Internal Medicine
HomUG-PM III.142.03		Knows how	Clinical assessment of altitude sickness	Demonstrate effective assessment skills for diagnosing altitude-related illnesses.	C3/P3	Must Know	Clinical demonstrations, role-playing	OSCE, case studies	Practical exams	Internal Medicine, Emergency Medicine
HomUG-PM III.142.04		Knows how	Management strategies for altitude sickness	Develop a management plan for patients presenting with AMS, HAPE, or HACE.	C3	Must Know	Problem-based learning, case studies	Problem-solving exercises, Q&A	Written exams, OSCE	Pulmonology, Emergency Medicine

HomUG-PM III.142.05	Homoeopathic orientation	Knows how	Homoeopathic remedies for altitude sickness	Apply homoeopathic remedies as adjunctive care for altitude-related symptoms.	C3	Must Know	Homoeopathic case discussions	Oral discussions, reflective exercises	Practical exams	Homoeopathy
HomUG-PM III.142.06	Knowledge and Scholarship	Knows how	Prevention of altitude sickness	Advise travellers and mountaineers on preventive measures to avoid altitude-related disorders.	C3	Must Know	Role-play, educational campaigns	Patient education scenarios, Q&A	Written exams, role-play scenarios	Public Health, Travel Medicine
HomUG-PM III.142.07		Knows	Complications of untreated altitude sickness	Discuss the potential complications and importance of early intervention.	C3	Must Know	Lectures, case-based learning	MCQs, case reviews	Written exams	Pulmonology, Emergency Medicine
HomUG-PM III.142.08		Knows how	Emergency management in high-altitude settings	Demonstrate skills in emergency care for severe cases of HAPE or HACE.	C3/P3	Desirable to Know	Simulated training, emergency response drills	Skill-based assessments, practical scenarios	OSCE, simulation-based exams	Emergency Medicine
HomUG-PM III.142.09		Knows	Identification of at-risk populations for altitude sickness	Identify individuals at high risk and recommend tailored preventive strategies.	C2	Must Know	Group discussions, case studies	Q&A, patient-based scenarios	Written exams	Public Health, Internal Medicine
HomUG-PM III.142.10		Knows how	Monitoring of progress and response to treatment	Discuss the follow-up care and monitoring of patients recovering from altitude sickness.	C3	Must Know	Clinical follow-ups, observational learning	Reflective practice, patient progress reports	OSCE, practical exams	Pulmonology, Emergency Medicine

Sl. No	Competency	Millers Level: Does/Shows how/Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable	T-L Methods	Assessment		Integration
								Formative	Summative	

		how/ Knows				to know/ nice to know				
Diseases of Cold Exposure										
HomUG- PM III.143.01	Knowledge and Scholarship	Knows	Physiological effects of cold exposure	Explain how cold exposure affects body temperature regulation and tissue integrity.	C2	Must Know	Lectures, discussions	MCQs, Q&A	Written exams	Physiology, Pathophysiology
HomUG- PM III.143.02		Knows	Clinical features of hypothermia	Identify signs, symptoms, and systemic effects of hypothermia.	C2	Must Know	Clinical case discussions, interactive learning	Case-based Q&A	Written exams	Emergency Medicine, Internal Medicine
HomUG- PM III.143.03		Knows how	Frostbite and cold-related injuries	Discuss the clinical assessment of frostbite and other cold injuries.	C3	Must Know	Clinical demonstrations, role-playing	OSCE, case scenarios	Practical exams	Dermatology, Emergency Medicine
HomUG- PM III.143.04		Knows how	management plan for hypothermia	Formulate treatment strategies for hypothermia based on severity.	C3	Must Know	Problem-based learning, case- based discussions	Problem- solving exercises, Q&A	Written exams, OSCE	Emergency Medicine, Internal Medicine
HomUG- PM III.143.05		Knows how	Management plan for frostbite and cold injuries	Describe step-by-step management for frostbite and related injuries.	C3	Must Know	Practical demonstrations, clinical discussions	Reflective exercises, clinical case reviews	OSCE, case-based evaluations	Dermatology, Surgery
HomUG- PM III.143.06	Homoeopathic orientation	Knows how	Homoeopathic remedies for cold exposure	Apply homoeopathic remedies as adjunctive care in cold exposure-related conditions.	C3	Nice to Know	Homoeopathic case discussions	Oral discussions, reflective exercises	Practical exams	Homoeopathic therapeutics
HomUG- PM III.143.07	Knowledge and Scholarship	Knows how	Prevention of cold exposure injuries	Advise individuals on measures to prevent cold exposure injuries.	C3	Must Know	Role-play, patient education	Patient education scenarios, Q&A	Written exams,	Public Health, Internal Medicine
HomUG- PM III.143.08		Knows	Complications of untreated cold injuries	Discuss the potential complications and need for timely intervention.	C2	Must Know	Lectures, role- play scenarios	MCQs, case reviews	Written exams	Emergency Medicine,

										Internal Medicine
HomUG- PM III.143.09		Knows how	Emergency care for severe cold injuries	Define the emergency care skills for severe hypothermia or frostbite.	C3	Must Know	Simulated training, emergency response drills	Skill-based assessments, practical scenarios	OSCE, simulation-based exams	Emergency Medicine
HomUG- PM III.143.10		Knows	Identification of at-risk populations for cold exposure	Recognize vulnerable groups and tailor preventive strategies accordingly.	C2	Must Know	Group discussions, case studies	Q&A, patient-based scenarios	Written exams	Public Health, Internal Medicine
HomUG- PM III.143.11		Knows how	Monitoring progress and recovery	Demonstrate follow-up care for patients recovering from cold-related injuries.	C3	Must Know	Clinical follow-ups, observational learning	Reflective practice, patient progress reports	OSCE, practical exams	Internal Medicine, Rehabilitation

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Diseases of Heat Exposure										
HomUG- PM III.144.01	Knowledge and Scholarship	Knows	Physiological effects of heat exposure	Explain how the body regulates temperature under heat stress.	C2	Must Know	Lectures, discussions	MCQs, Q&A	Written exams	Physiology, Pathophysiology

HomUG-PM III.144.02		Knows	Clinical features of heat exhaustion and heatstroke	Identify clinical signs and symptoms of heat exhaustion and heatstroke.	C2	Must Know	Case discussions, interactive learning	Case-based Q&A	Written exams	Emergency Medicine, Internal Medicine
HomUG-PM III.144.03		Knows how	Risk factors for heat-related illnesses	Evaluate patients for risk factors contributing to heat-related illnesses.	C3	Must Know	Group discussions, patient scenarios	Risk assessment exercises, Q&A	Written exams	Public Health, Internal Medicine
HomUG-PM III.144.04		Knows how	Management plan for heat exhaustion	Formulate a management plan for patients presenting with heat exhaustion.	C3	Must Know	Problem-based learning, practical demonstrations	Problem-solving exercises, case-based discussions	OSCE, case-based evaluations	Emergency Medicine, Internal Medicine
HomUG-PM III.144.05		Knows how	Management for heatstroke	Describe emergency treatment strategies for heatstroke and its complications.	C3	Must Know	Clinical demonstrations, emergency drills	Skill-based assessments, reflective exercises	OSCE, simulation-based exams	Emergency Medicine
HomUG-PM III.144.06	Homoeopathic orientation	Knows how	Homoeopathic remedies for heat-related conditions	Apply homoeopathic remedies as adjunctive care in heat-related illnesses.	C3	Nice to Know	Homoeopathic case discussions	Oral discussions, reflective exercises	Practical exams	Homoeopathy
HomUG-PM III.144.07	Knowledge and Scholarship	Knows how	Prevention of heat-related illnesses	Advise individuals on measures to prevent heat-related conditions.	C3	Must Know	Role-play, role-play scenarios	Patient education scenarios, Q&A	Written exams	Public Health, Occupational Medicine
HomUG-PM III.144.08		Knows	Multiorgan failure, rhabdomyolysis, coagulopathy, and death	Complications of severe heat illnesses	C2	Must Know	Lectures, case discussions	MCQs, case reviews	Written exams	Emergency Medicine, Internal Medicine
HomUG-PM III.144.09		Knows how	Emergency care for severe heat illnesses	Demonstrate skills to manage severe heat illnesses in an emergency setting.	C3	Must Know	Simulated training,	Skill-based assessments,	OSCE, simulation-	Emergency Medicine

							emergency response drills	practical scenarios	based exams	
HomUG-PM III.144.10		Knows	At-risk populations for heat exposure	Recognize vulnerable groups and tailor preventive strategies accordingly.	C2	Must Know	Group discussions, case studies	Q&A, patient-based scenarios	Written exams	Public Health, Internal Medicine
HomUG-PM III.144.11		Knows how	Monitoring recovery and rehabilitation	Demonstrate follow-up care and rehabilitation for patients recovering from heat-related conditions.	C3	Must Know	Clinical follow-ups, observational learning	Reflective practice, patient progress reports	OSCE, practical exams	Internal Medicine, Rehabilitation

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Environmental Poisoning

HomUG-PM III.145.01	Knowledge and Scholarship	Knows	Types of environmental poisoning	Describe the types and sources of environmental poisons.	C2	Must Know	Lectures, visual aids	MCQs, short-answer questions	Written exams	Public Health, Toxicology
HomUG-PM III.145.02		Knows	Clinical features of environmental poisoning	Identify clinical presentations of various environmental poisonings.	C2	Must Know	Case discussions, patient stories	Q&A, clinical case reviews	Written exams	Emergency Medicine, Toxicology, Internal Medicine
HomUG-PM III.145.03		Knows how	Risk factors for poisoning	Evaluate patients for exposure risks and susceptibility to environmental toxins.	C3	Must Know	Group discussions, patient scenarios	Case-based discussions	Written exams	Public Health, Occupational Medicine

HomUG-PM III.145.04		Knows how	Management of acute poisoning	Formulate a management plan for acute environmental poisoning.	C3	Must Know	Simulations, problem-solving exercises	Emergency scenarios, Q&A	OSCE	Emergency Medicine
HomUG-PM III.145.05		Knows	Chronic effects of poisoning	Discuss chronic effects of long-term exposure to environmental toxins.	C2	Must Know	Lectures, journal article reviews	Reflective essays, short-answer questions	Written exams	Toxicology, Internal Medicine
HomUG-PM III.145.06	Homoeopathic orientation	Knows how	The homoeopathic remedies for poisoning	Describe homoeopathic remedies as adjunctive care in cases of poisoning.	C3	Must Know	Homoeopathic case discussions	Reflective exercises, oral discussions	Practical exams	Homoeopathic Therapeutics
HomUG-PM III.145.07	Knowledge and Scholarship	Knows how	Preventive strategies for environmental poisoning	Discuss the prevention strategies for environmental poisoning.	C3	Must Know	Role-play, community education	Education scenarios, preventive measures reviews	Written exams	Public Health, Occupational Medicine
HomUG-PM III.145.08		Knows	Special populations at risk	Identify vulnerable populations and tailor interventions accordingly.	C2	Must Know	Case studies, group discussions	Q&A, risk analysis exercises	Written exams	Public Health, Paediatrics, Geriatrics
HomUG-PM III.145.09		Knows how	Multidisciplinary involvement in poisoning cases	Discuss the multidisciplinary approach in managing poisoning with systemic involvement.	C3	Nice to Know	Clinical discussions, interdisciplinary rounds	Case-based discussions	OSCE, clinical evaluations	Emergency Medicine, Critical Care
HomUG-PM III.145.10		Knows how	Monitoring long-term recovery and rehabilitation	Demonstrate strategies for long-term monitoring and rehabilitation in poisoning survivors.	C3	Must Know	Clinical follow-ups, observational learning	Patient progress reports, reflective practice	OSCE, practical exams	Internal Medicine, Rehabilitation

COMPETENCY TABLES - PALLIATIVE AND END-OF-LIFE CARE

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Palliative and End of Life Care										
HomUG-PM III.146.01	Knowledge and Scholarship	Knows	Principles of palliative care	Define palliative care and its principles for patients with life-limiting illnesses.	C2	Must Know	Lectures, case-based learning	MCQs, short-answer questions	Written exams	Oncology, Internal Medicine
HomUG-PM III.146.02		Knows how	Indications for palliative care	Determine when a patient may benefit from palliative care services.	C3	Must Know	Clinical cases, patient scenario discussions	Q&A, case-based discussions	OSCE, written exams	Oncology, Geriatrics, Critical Care
HomUG-PM III.146.03		Knows how	Symptom management in palliative care	Develop management plans for common symptoms in palliative patients.	C3	Must Know	Problem-solving sessions, clinical discussions	Case-based discussions, Q&A	OSCE, practical exams	Internal Medicine, Psychiatry
HomUG-PM III.146.04		Knows	Understanding of end-of-life care	Describe the components of end-of-life care, including ethical considerations.	C2	Must Know	Lectures, group discussions	Reflective essays, short-answer questions	Written exams	Psychiatry, Ethics
HomUG-PM III.146.05		Knows how	Emotional counselling, addressing spiritual needs, and caregiver support	Demonstrate strategies to support the emotional and spiritual well-being of patients and families.	C3/A3	Must Know	Role-play, patient stories	Feedback-based assessments	OSCE	Psychiatry, Social Medicine

HomUG-PM III.146.06	Homoeopathic orientation	Knows how	homoeopathic care in palliative settings	Apply homoeopathic remedies to complement palliative care.	C3	Must Know	Homoeopathic case discussions	Case-based reflective discussions	Practical exams, oral exams	Homoeopathic therapeutics
HomUG-PM III.146.07	Knowledge and Scholarship	Knows how	Breaking bad news, discussing prognosis, and shared decision-making	Demonstrate empathetic communication skills to discuss prognosis and care goals.	C3/A3	Must Know	Role-play, video-based learning	Patient interaction feedback	OSCE	Psychiatry, Ethics
HomUG-PM III.146.08		Knows how	Involving healthcare professionals: multidisciplinary care	Discuss the importance of teamwork in providing comprehensive care in a multidisciplinary framework.	C3	Must Know	Interdisciplinary case discussions	Team-based learning evaluations	SAQ	Oncology, Internal Medicine
HomUG-PM III.146.09		Knows how	Ethical and legal issues in palliative care	Discuss ethical dilemmas and legal issues related to end-of-life decisions.	C3	Must Know	Group discussions, ethical case reviews	Reflective essays, Q&A	SAQ	Ethics, Law
HomUG-PM III.146.10		Knows how	Evaluation of impact of palliative care on quality of life	Discuss how palliative care improves the quality of life for patients and families.	C3	Must Know	Clinical follow-ups, patient case studies	Reflective practice reports, Q&A	SAQ	Public Health, Social Medicine

COMPETENCY TABLES - CRITICAL CARE MEDICINE

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Critical Care Medicine										
HomUG-PM III.147.01		Knows how/Does	Cardiac arrest, sepsis, respiratory failure	Early recognition and management of critical emergencies	C3/P3	Must Know	Lectures, hands-on simulations	Case-based scenarios	OSCE	Emergency Medicine
HomUG-PM III.147.02		Does	Multidisciplinary teamwork in critical care units	Demonstrate effective collaboration in a multidisciplinary critical care team	C3/P3	Must Know	Role-playing, group discussions	Peer assessment, reflective writing	Reflective writing	Internal medicine
HomUG-PM III.147.03		Shows how/Does	Airway management, CPR, central line insertion	Demonstrate life-saving procedures in critical care	P3	Must Know	Demonstration, simulation-based training	Simulation exercises	OSCE	Emergency Medicine, Surgery
HomUG-PM III.147.04		Knows how	Hemodynamic monitoring, ABGs, imaging in critical care	Interpret monitoring data and use it for decision-making	C3	Must Know	Lectures, practical demonstrations	Quiz, case discussion	Case-based MCQs	Pathology, Radiology
HomUG-PM III.147.05		Knows how/Shows how	ACS, stroke, AKI, electrolyte imbalances	Develop management protocols for life-threatening acute conditions	C3/P3	Must Know	Case-based learning, PBL	Case-based MCQs, simulation exercises	Case-based MCQs	Medicine, Pharmacology
HomUG-PM III.147.06	Homoeopathic Orientation	Knows how	Scope of Homoeopathy in	Identify and prescribe homeopathic remedies for specific acute emergencies	C2/3	Must Know	Lectures, clinical discussions	Written test, reflective writing	Written test	Homeopathy, Pharmacology

			acute emergencies							
HomUG-PM III.147.07	Knowledge and Scholarship	Knows how	pharmacological management in acute emergencies	Explain drug protocols for stabilizing critically ill patients	C2/3	Nice to Know	Didactic lectures, drug demonstrations	MCQs, case-based discussions	MCQs	Pharmacology, Internal Medicine
HomUG-PM III.147.08		Knows how	Infection control in ICUs	Discuss the infection control protocols in critical care units	C3	Must Know	Simulation-based learning	OSCE	OSCE	Microbiology, Internal Medicine
HomUG-PM III.147.09		Knows how	Ethical decision-making in critical care	Discuss ethical issues in critical care decision-making	C3/A3	Desirable to Know	Role-playing, case discussions	Reflective writing, peer assessment	Reflective writing	Ethics, Palliative Care
HomUG-PM III.147.10		Knows	Future trends in Critical care	Identify innovations (Tele-ICUs, AI, point-of-care diagnostics) improving critical care outcomes	C2	Nice to Know	Interactive seminars	Quiz	Quiz	Medical Informatics

COMPETENCY TABLES – MISCELLANEOUS

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Stem Cell Biology and Current Status of Therapy										
HomUG-PM III.148.01	Knowledge and Scholarship	Knows	Fundamentals of stem cell biology	Define stem cells and describe their types, characteristics, and differentiation capabilities.	C2	Must Know	Lectures, online tutorials	MCQs, short-answer questions	Written exams	Cell Biology, Molecular Biology
HomUG-PM III.148.02		Knows how	Mechanisms of stem cell differentiation	Describe how stem cells differentiate into specialized cell	C3	Must Know	Interactive case studies	Case-based discussions, quizzes	Written exams	Molecular Biology,

		and reprogramming	types and the concept of cellular plasticity.						Developmental Biology
HomUG-PM III.148.03	Knows how	Ethical implications of using human embryonic stem cells, cloning, and gene editing	Identify ethical issues related to stem cell use, including the use of human embryos, cloning, and gene editing.	C3	Must Know	Lectures	Short-answer questions	Written exams, oral exams	Bioethics, Law
HomUG-PM III.148.04	Knows	Stem cell-based therapies for regenerative medicine, tissue repair, and genetic disorders	Explain how stem cells are used in clinical applications, including for organ repair and disease treatment.	C3	Nice to Know	Lectures, online tutorials	Group presentations, Q&A	Written exams, case study analysis	Regenerative Medicine, Genetics
HomUG-PM III.148.05	Knows how	Stem cell-based treatments in clinical settings, current research, and clinical trials	Review current stem cell therapies in clinical trials, their successes, and challenges.	C3	Nice to Know	Lectures, online tutorials	Research report, Q&A	OSCE, oral exams, research project	Clinical Medicine, Translational Research
HomUG-PM III.148.06	Knows how	Methods of culturing and expanding stem cells in the lab, maintaining pluripotency	Describe isolation, culturing, and differentiating techniques for stem cells in laboratory settings.	C3	Nice to Know	Lectures, online tutorials	Practical exams, lab-based assessments	Lab-based assessments, practical exams	Cell Biology, Laboratory Techniques

HomUG-PM III.148.07	Knows how	Gene editing in stem cell therapy	Explain how gene editing tools like CRISPR can be used in stem cells to correct genetic disorders.	C3	Nice to Know	Lectures, online tutorials	Short-answer questions, peer reviews		Genetics, Molecular Biology
HomUG-PM III.148.08	Knows how	Stem cell-related diseases and disorders	Describe conditions that involve stem cell dysfunction, including cancer, autoimmune diseases, and blood disorders.	C3	Must Know	Case studies, journal articles	Case-based discussions, group debates	Written exams, practical case analysis	Hematology, Oncology
HomUG-PM III.148.09	Knows how	Current challenges in stem cell therapy	Discuss current obstacles in stem cell research and therapy, including immune rejection and cost.	C3	Must Know	Lectures, online tutorials	Reflective essays, research analysis	Oral exams	Clinical Research, Immunology
HomUG-PM III.148.10	Knows how	Future perspectives of stem cell therapy	Identify emerging trends in stem cell therapy and their potential future applications in medicine.	C3	Must Know	Lectures, online tutorials	Research reports, peer feedback	Written exams	Clinical Medicine, Future Technologies

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	
Tele-Medicine and Tele-Homoeopathy										
HomUG-PM III.149.01	Knowledge and Scholarship	Knows	Fundamentals of Tele-Medicine	Define telemedicine, explain its types (e.g., video consultations, remote monitoring), and discuss its relevance.	C2	Must Know	Lectures, online tutorials	MCQs, short-answer questions	Written exams	Health Informatics, Digital Health

HomUG-PM III.149.02	Knows how	Technological infrastructure in telemedicine	Identify the technological platforms and devices used for telemedicine consultations and patient monitoring.	C3	Must Know	Demonstrations, workshops	Practical demonstrations, group discussions	Case study analysis	IT, Medical Technology
HomUG-PM III.149.03	Knows how	Regulatory and legal aspects of telemedicine	Explain the regulations, privacy concerns, and the ethical/legal implications of telemedicine in healthcare.	C3	Must Know	Case study analysis, lecture-based discussions	Written reflections, Q&A	Written exams, oral presentations	Law, Bioethics
HomUG-PM III.149.04	Knows	Role of Telemedicine in chronic disease management	Describe how telemedicine can improve management of chronic diseases by enabling continuous monitoring and consultation.	C2	Must Know	Case studies, patient simulations	Role-playing, quizzes	Written exams, case study presentations	Chronic Disease Management, Internal Medicine
HomUG-PM III.149.05	Knows	The concept of tele-homeopathy, including how homeopathic consultations can be carried out remotely	Define tele-homeopathy, discuss its benefits, limitations, and the process of homeopathic case-taking in telemedicine.	C2	Must Know	Lectures, group discussions	MCQs, short-answer questions	Written exams	Homeopathy, Integrative Medicine
HomUG-PM III.149.06	Knows how	Methods of case-taking in Tele-Homeopathy	Demonstrate how to take a complete homeopathic case in a virtual consultation, including understanding the patient's symptoms and remedies.	C3	Must Know	Role-playing, virtual simulations	Practical role-plays, case presentations	OSCE, practical exams	Homeopathy, Patient Care
HomUG-PM III.149.07	Knows how	The benefits and challenges of telemedicine	Discuss the advantages (access to care, cost-effectiveness) and challenges (technological barriers, limitations in diagnosis) of telemedicine.	C3	Must Know	Group discussions, case analysis	Discussion boards, quizzes	Written exams	Public Health, Healthcare Management

HomUG-PM III.149.08	Knows how	Future of Telemedicine and Tele-Homoeopathy	Explain the future trends in telemedicine and tele-homoeopathy, including the use of AI in diagnosis and treatment planning.	C3	Must Know	Research papers, group discussions	Research presentations, peer feedback		Health Innovation, AI in Medicine
HomUG-PM III.149.09	Knows how	Ethical principles in telemedicine and tele-homoeopathy	Identify and apply ethical principles when conducting telemedicine and tele-homoeopathy consultations.	C3	Must Know	Case discussions, scenario-based learning	Ethical scenario analysis, group discussions	SAQ, Oral exams	Ethics, Patient Care
HomUG-PM III.149.10	Knows how	Patient outcomes in telemedicine and tele-homoeopathy	Evaluate patient satisfaction, outcomes, and limitations of remote consultations, and suggest improvements.	C3	Must Know	Surveys, patient feedback analysis	Patient satisfaction surveys, feedback sessions		Research methodology

Sl. No	Competency	Millers Level: Does/Shows how/Knows how/ Knows	Content	SLO	Blooms Domain/ Guilbert's Level	Priority - Must Know/ Desirable to know/ nice to know	T-L Methods	Assessment		Integration
								Formative	Summative	

Integrative Health Care: Current Status and Possibilities

HomUG-PM III.150.01	Knowledge and Scholarship	Knows	Concept of Integrative Health Care	Define integrative health care and discuss its components (allopathic, homeopathy, Ayurveda, yoga, etc.) and principles.	C2	Must Know	Lectures, reading assignments	Quizzes, short-answer questions	SAQ, Viva	Public Health, Holistic Medicine
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HomUG-PM III.150.02		Knows	Evolution of integrative healthcare practices in India, including traditional and modern systems	Explain the development and importance of integrating traditional practices like Ayurveda and Yoga with modern medicine in India.	C2	Must Know	Lectures, case studies	Case-based discussions, peer learning	SAQ, Viva	History of Medicine, Traditional Practices
HomUG-PM III.150.03		Knows	Current practices, government initiatives, and challenges in implementing integrative healthcare in India	Analyse the existing policies and governmental support for integrative health care in India.	C2	Must Know	Discussions, guest lectures, research reports	Group presentations, research articles	SAQ, Viva	Public Health Policy, Health Systems
HomUG-PM III.150.04	Homoeopathic Orientation	Knows	Integration of homeopathy with modern medicine and other systems in holistic patient care	Discuss how homeopathy complements conventional medical treatments and its role in promoting patient well-being.	C2	Must Know	Case studies, peer discussions	Role-playing, scenario-based learning	SAQ, LAQ, Viva	Homeopathic Therapeutics, Complementary Medicine
HomUG-PM III.150.05	Knowledge and Scholarship	Knows how	Barriers to integrating modern medicine with alternative systems such as homeopathy and Ayurveda	Discuss challenges such as cultural differences, policy regulations, education gaps, and resistance from practitioners.	C3	Must Know	Group work, brainstorming sessions	Group discussions, brainstorming	SAQ	Community Medicine, Homoeopathic Therapeutics

HomUG-PM III.150.06	Knows how	Importance of research in demonstrating the effectiveness of integrative health care approaches	Evaluate available scientific studies and research validating integrative approaches for various health conditions.	C3	Must Know	Research reviews, online resources	Literature review, research paper writing	SAQ, Viva	Research Methodology, Evidence-based Practice
HomUG-PM III.150.07	Knows how	Potential for growth, including governmental policies, education, and emerging trends in integrative healthcare	Predict the future direction of integrative health care in India, including policies, trends, and societal acceptance.	C3	Must Know	Group discussions, future scenario planning	Group discussions, research projections	SAQ, Viva	Health Policies, Innovation
HomUG-PM III.150.08	Knows how	Patient outcomes in terms of satisfaction, quality of life, and clinical effectiveness	Evaluate the effectiveness and impact of integrative healthcare models on patient outcomes, including cost-effectiveness.	C3	Must Know	Surveys, patient feedback	Patient feedback surveys, peer reviews	SAQ, Viva	Patient-Centered Care, Holistic Healing
HomUG-PM III.150.09	Knows how	Ethical issues in combining multiple medical systems, including informed consent,	Identify and address ethical challenges in integrative practices such as respecting patient autonomy and providing informed consent.	C3	Must Know	Case discussions, ethical debates	Ethical scenario role-plays, small group discussions	SAQ	Ethics, Medical Ethics

			autonomy, and cultural sensitivity							
HomUG-PM III.150.10		Knows how	Efforts to raise awareness among the public about the benefits and safety of integrative health practices	Design strategies to promote awareness of integrative health care to the general public and improve its acceptance.	C3	Must Know	Campaign planning, media presentations	Awareness campaigns, social media projects	SAQ	Public Health, Community Engagement

COMPETENCY TABLES FOR BEDSIDE CLINICS – CENTRAL NERVOUS SYSTEM

Sl. No	Competency	Miller's Level	Content	SLO	Bloom's Domain / Guilbert's Level	Priority	T-L Methods	Assessment		Integration
								Formative	Summative	
1	Knowledge and Scholarship	Shows How	Chief complaints, duration, progression, associated symptoms, past history, family history, drug history	Elicit a Comprehensive Neurological History (1, 2, 4, 6)*	A2/3	Must Know	Case-based learning (CBL), Role-play, Bedside teaching	OSCE, Case write-ups	Viva, Long Case	Clinical Medicine, Diagnostics
2		Does	MMSE, CN I-XII examination, speech & language assessment	Perform Mental Status & Cranial Nerve Examination (1, 2, 6)*	P3	Must Know	Demonstration, Simulation	Mini-CEX, OSCE	Practical Exam	Clinical Medicine, Diagnostics
3		Does	Tone, power, reflexes (Babinski), coordination, gait, sensory modalities	Assess Motor & Sensory Systems (1, 2, 6)*	P3	Must Know	Bedside teaching, Video demonstrations	OSCE, Peer assessment	Clinical Viva	Clinical Medicine, Diagnostics
4		Shows How	Ataxia, dysmetria, nystagmus, deep tendon reflexes, clonus	Evaluate Cerebellar Function & Reflexes (1, 2, 6)*	C3/P3	Must Know	Simulation, CBL	OSCE, Case discussions	Practical Exam	Clinical Medicine, Diagnostics

5		Knows How	CT/MRI (stroke, tumors), EEG (epilepsy), EMG/NCS (neuropathy)	Interpret Neuroimaging & Electrophysiological Data (2, 8)*	C3	Must Know	Radiology workshops, Case reviews	Image quizzes, MCQs	Written Exam, Viva	Diagnostics, Internal Medicine, Neurology
6		Knows How	Stroke vs. seizure, Parkinsonism vs. essential tremor, meningitis vs. encephalitis	Formulate a Differential Diagnosis (2, 4, 10)*	C3	Must Know	Case-based discussions, PBL	Short cases, DDx tables	Viva, Long Case	Internal Medicine, Neurology
7	Patient care	Knows How	Management of Acute and Chronic CNS Disorders	Manage Acute & Chronic CNS Disorders - Stroke (thrombolytics), epilepsy (AEDs), Parkinsonism (levodopa), meningitis (antibiotics), Homoeopathic Medicines (2, 5, 8)*	C3/4	Must Know	Simulation, Case scenarios	Management plans, SBAR	OSCE, Written Exam	Pharmacology, Homoeopathic Therapeutics
8		Knows How	Physiotherapy (stroke), OT (spinal injury), cognitive rehab (dementia)	Design Rehabilitative & Supportive Care Plans (5, 7, 9)*	C3/P3	Desirable	Interdisciplinary workshops	Case presentations	Viva, Logbook	Physical rehabilitation, Psychosocial rehabilitation
9		Knows How	Depression (PHQ-9), anxiety (GAD-7), caregiver stress	Address Psychosocial Impact & Caregiver Burden (4, 7, 9)*	C2/3	Desirable	Role-play, Patient interviews	Reflective journals	Case Discussion	Psychosocial rehabilitation, Medical Ethics
10		Knows How	Diet (ketogenic for epilepsy), lifestyle (stroke prevention),	Implement Adjunctive Therapies & Patient Education (5, 8, 10)*	C3	Nice to Know	Group discussions, Patient education sessions	Posters, Pamphlets	Viva, Assignment	Community Medicine

			adherence strategies							
11		Does	Breaking bad news, counselling, rapport building	Demonstrate Empathy & Effective Communication (4, 5, 7)*	A3-4	Must Know	Role-play, SP encounters	Mini-CEX, Feedback	OSCE, 360° Evaluation	Professionalism
12	Knowledge and Scholarship	Shows How	SOAP notes, case summaries, evidence-based plans	Document Clinical Findings & Present Cases (6, 10)*	P3-4	Must Know	E-logbooks, Peer review	Case write-ups	Long Case Presentation	Professionalism
13		Shows How	Interdepartmental rounds, mentoring juniors	Actively participate in interdepartmental Rounds & Mentor Juniors (7, 9)*	C3/P3/A3	Desirable	Team-based learning	Peer feedback	360° Assessment	Leadership
14		Knows How	Latest guidelines (NICE, AAN), journal critiques	Apply Evidence-Based Practice & Research (8, 9)*	C3	Desirable	Journal clubs, Workshops	Critical appraisals	Research Presentation	Research Methodology
15		Knows	Identifying gaps, CPD activities	Engage in Self-Reflection & Continuous Learning (9, 10)*	C2	Nice to Know	Reflective practice	Learning portfolios	Self-assessment	Professional Growth

* Refer to 3. LEARNING OBJECTIVES FOR FINAL-YEAR BHMS – 14. Bedside Clinics / Demonstrative Activities (Page Number -8)

6. Teaching-learning methods

Lectures (Theory)	Non-lectures (Clinical / Practical / Demonstrative)
<ul style="list-style-type: none">• Lectures with AV• Seminar• Workshop• Group Discussions• Projects – Chart making• Assignments• Self directed study	<ul style="list-style-type: none">• Clinical Demonstration• Case Based Discussion Method:<ul style="list-style-type: none">○ PBL - Problem Based Learning○ Case based Learning• Simulation – with mannequins• OSCE – Objective Structure Clinical Examination• Mini-CEX - mini clinical evaluation exercise• Projects:<ul style="list-style-type: none">○ Chart and Model○ Assignment

7. Details of assessment:

7.1. Overall Scheme of Assessment

Sr. No	Professional Course	Term I (1-6 Months)		Term II (7-12 Months)		
1	Fourth Professional BHMS	PA I (end of 3 months)	TT I (end of 6 months)	PA II (end of 9 months)	FUE (end of 12 months)	
		20 Marks Viva	100 Marks Practical/ Viva <ul style="list-style-type: none"> • Viva voce -50 marks • Practical – 50 marks <ul style="list-style-type: none"> a) Case taking, case processing, prescription – 20 marks b) Clinical examination and advice/interpretate investigations (OSCE/ Mini CEX) – 20 marks. (c) Spotting- 10 marks 	20 Marks Viva	300 marks theory	200 marks Practical+ Viva+ IA

PA: Periodical Assessment; TT: Term Test; FUE: Final University Examinations; IA: Internal Assessment

7.2. Number of papers and mark distribution for Final University Examination (FUE)

Sr. No.	Course Code	Papers	Theory	Practical/ Clinical**	Viva Voce	Internal Assessment*	Grand Total
1	Hom-UG PM-III	03	300 marks (100 marks each paper)	100 marks	80 marks	20 marks (Marks of PA I + TT I + PA II)	500 marks

*Method of Calculation of Internal Assessment Marks for Final University Examination:

$$\text{Marks of IA (M)} = R + S + T / 3$$

R = Marks of IA in II BHMS

S = Marks of IA in III BHMS

T = Marks of IA in IV BHMS = (Marks of PA I + Marks of TT + Marks of PA II) / 140 X 20

**Distribution of marks for practical/clinical assessment and viva (total 100 marks in FUE):

- Case taking: 25 Marks- for thorough case taking, including history, symptoms and signs of the patient in detail.
- Examination Skills: 20 marks- for the proper demonstration of skills during clinical examination in the case.
- Bedside Q n A session: 20 marks- for demonstrating a deep understanding of concepts and for applying knowledge to define diagnosis and differential diagnosis.
- Spotters (5): 3 marks each = 15 marks- (Instruments: Identification, Indications and Contraindications; X-Ray: Identification, Observations, DDs; ECG, Haematological and Biochemistry Reports: Observations, Causes, Diagnosis/Differential Diagnosis).
- Assignments and Records: 10+10 = 20 marks for the content accuracy, organisation and overall quality of work.

7.3 Paper Layout for summative assessment –

Paper I, II and III; Each of 100 marks:

Type of questions	No of questions	Marks for each question	Total Marks
Long Answer Questions	5	10	50
Short Answer Questions	8	5	40
Multiple Choice Questions	10	1	10

7.4. Theme table:

Sl No	Topics	Theme/ Marks	Division	Paper
1	Clinico - pathological evaluation of common signs and symptoms with miasmatic integration	A/8	SAQ: 1, MCQ: 3	I
2	Introduction to Medical genetics	B/6	SAQ: 1, MCQ: 1	I
3	Immunity & Susceptibility – General considerations	C/6	SAQ: 1, MCQ: 1	I
4	Infectious Diseases and Tropical Diseases	D/16	LAQ: 1, SAQ: 1, MCQ: 1	I
5	Pulmonary disorders	E/16	LAQ: 1, SAQ: 1, MCQ: 1	I
6	Endocrine Diseases and Metabolic Disorders	F/16	LAQ: 1, SAQ: 1, MCQ: 1	I
7	Disorders of Water & Electrolyte Balance	G/16	LAQ: 1, SAQ: 1, MCQ: 1	I
8	Diseases of Digestive System and Peritoneum	H/16	LAQ: 1, SAQ: 1, MCQ: 1	I
9	Diseases of Liver Gallbladder and Pancreas	I/12	SAQ: 2, MCQ: 2	II
10	Diseases of Kidney	J/16	LAQ: 1, SAQ: 1, MCQ: 1	II

11	Disorders of Cardiovascular System	K/16	LAQ: 1, SAQ: 1, MCQ: 1	II
12	Musculoskeletal and Connective Tissue Disorders	L/16	LAQ: 1, SAQ: 1, MCQ: 1	II
13	Disorders of Central Nervous System and Peripheral Nervous System	M/16	LAQ: 1, SAQ: 1, MCQ: 1	II
14	Disorders of Hematopoietic System	N/17	LAQ: 1, SAQ: 1, MCQ: 2	II
15	Nutritional and Metabolic Disorders	O7/7	SAQ: 1, MCQ: 2	II
16	Psychiatric Disorders	P/21	LAQ: 1, SAQ: 2, MCQ: 1	III
17	Dermatological and Sexually Transmitted Disorders	Q/27	LAQ: 2, SAQ: 1, MCQ: 2	III
18	Paediatric Diseases	R/27	LAQ: 2, SAQ: 1, MCQ: 2	III
19	Geriatric Disorders	S/7	SAQ: 1, MCQ: 2	III
20	Disorders Associated with Environmental Exposure	T/6	SAQ: 1, MCQ: 1	III
21	Palliative and End-of-Life Care	U/6	SAQ: 1, MCQ: 1	III
22	Miscellaneous: Stem Cell Biology and Current Status of Therapy, Tele-medicine and Tele-homoeopathy, Integrative health care: current status and possibilities	V/6	SAQ: 1, MCQ: 1	III

7.5 Question Paper Blue Print:

Paper I

Question Serial Number	Type of Question	Question Paper Format	Theme Distribution
I	Multiple Choice Questions (MCQ) (1 – 10)	10 Questions, 1 mark each, ALL COMPULSORY Must Know 7. Desirable to Know 2. Nice to Know 1	A, A, A, B, C, D, E, F, G, H
II.	Short Answer Questions (SAQ) (11 – 18)	8 Questions, 5 marks each, ALL COMPULSORY Must Know 4. Desirable to Know 2	A, B, C, D, E, F, G, H
III	Long Answer Questions (LAQ) (19 – 23)	5 Questions, 10 marks each, ALL COMPULSORY All questions on Must Know only. NO questions from Nice to Know or Desirable to Know	D, E, F, G, H

Paper II

Serial Number	Type of Question	Question Paper Format	Theme Distribution
I	Multiple Choice Questions (MCQ) (1 – 10)	10 Questions, 1 mark each, ALL COMPULSORY Must Know 7. Desirable to Know 2. Nice to Know 1	I, I, J, K, L, M, N, N, O, O
II.	Short Answer Questions (SAQ) (11 – 18)	8 Questions, 5 marks each, ALL COMPULSORY Must Know 4. Desirable to Know 2	I, I, J, K, L, M, N, O
III	Long Answer Questions (LAQ) (19 – 23)	5 Questions, 10 marks each, ALL COMPULSORY All questions on Must Know only. NO questions from Nice to Know or Desirable to Know	J, K, L, M, N

Paper III

Serial Number	Type of Question	Question Paper Format	Theme Distribution
I	Multiple Choice Questions (MCQ) (1 – 10)	10 Questions, 1 mark each, ALL COMPULSORY Must Know 7. Desirable to Know 2. Nice to Know 1	P, Q, Q, R, R, S, S, T, U, V
II.	Short Answer Questions (SAQ) (11 – 18)	8 Questions, 5 marks each, ALL COMPULSORY Must Know 4. Desirable to Know 2	P, P, Q, R, S, T, U, V
III	Long Answer Questions (LAQ) (19 – 23)	5 Questions, 10 marks each, ALL COMPULSORY All questions on Must Know only. NO questions from Nice to Know or Desirable to Know	P, Q, Q, R, R

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