



MEDICINE & ALLIED FINAL YEAR STUDY GUIDE



This Study guide of the module/course outlines the key components and areas for the facilitation of the students.

Department of Medical Education

Contents

Vision and Mission of KGMC	
Khyber Medical University: Vision	
Khyber Girls Medical College: Vision	
Khyber Girls Medical College: Mission	
Curriculum Committee KGMC	
Module committee	
Outcomes of the curriculum:	
KNOWLEDGE	
PSYCHOMOTOR	
AFFECTIVE	
Introduction to the Course/Module	
General Learning Outcomes of the Module/Course	
Specific learning objectives of the pharmacology	
Teaching and learning strategies:	
Learning opportunities.....	
Timetables:	
Assessment tools:	
Internal Evaluation:	
Attendance Requirement:	

Vision and Mission of KGMC

Khyber Medical University: Vision



Khyber Medical University will be the global leader in health sciences academics and research for efficient and compassionate health care.

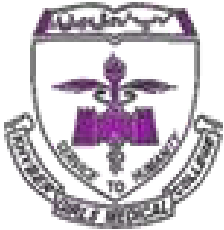
Khyber Girls Medical College: Vision



“Excellence in health care, research, teaching and training in the service of Humanity”



Khyber Girls Medical College: Mission



The mission of KGMC is to promote compassionate and professional health care leaders Who are knowledgeable, skillful, and community oriented lifelong learners serving humanity through evidence-based practices.

Curriculum Committee KGMC

Chair:

Professor Dr. Zahid Aman, Dean KGMC.

Co-Chair:

Professor Dr. Amir Mohammad, Associate Dean KGMC.

Clinical Sciences:

- Dr Mohammad Noor Wazir, Department of Medicine KGMC/HMC
 - Dr. Said Amin Department of Medicine KGMC/HMC.
 - Dr. Sofia Iqbal, Department of Ophthalmology KGMC/HMC.
 - Dr. Ghareeb Nawaz Department of ENT KGMC/HMC.
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- Dr. Bushra Rauf Department of Gynae KGMC/HMC.
- Dr. Jamshed Alam Department of Surgery KGMC/HMC.
- Dr. Ambreen Ahmad, Department of Pediatrics KGMC/HMC.
- Dr. Ain-ul-Hadi Department of Surgery KGMC/HMC.
- Dr. Fawad Rahim Department of Medicine KGMC/HMC.

Behavioral Sciences:

- Dr. Ameer Abbas Department of Psychiatry KGMC/HMC.

Medical Education

- Dr. Naheed Mahsood, Department of Medical Education, KGMC.
- Dr. Naveed Afzal Khan, Department of Medical Education, KGMC.
- Dr. Khurram Naushad, Department of Medical Education, KGMC

Basic Sciences:

- Dr. Khalid Javed Department of Pathology, KGMC.
 - Dr. Zubia Shah Department of Physiology, KGMC.
 - Dr. Amin-ul-Haq Department of Biochemistry, KGMC.
 - Dr. Naheed Siddique Department of Forensic Medicine, KGMC.
 - Dr. Shams Suleman Department of Pharmacology, KGMC.
 - Dr. Raheela Amin Department of Community Medicine, KGMC.
 - Dr. Shahab-ud-Din, Department of Anatomy, KGMC.
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Outcomes of the Curriculum:

The Curricular Outcomes of the MBBS Program for a Graduating Doctor according to the PMDC are as follows:

1. Knowledgeable

Knowledgeable about the diseases and health conditions prevalent in the population of Pakistan and use Evidence-based medicine to provide best possible cost-effective care.

2. Skillful

Skillful in History taking and Physical examination to compassionately deal with a patient.

3. Community health promoter

Take appropriate decisions and actions for protecting and promoting the health of their community.

4. Critical Thinker

Evaluate critically the patient data to effectively deal with complexity of medical decisions for the best possible outcomes using evidence-based practices in service of humanity.

5. Professional

Display professional values (honesty, accountability, cultural and religious sensitivity), attitudes and behaviors (empathy, ethics, good

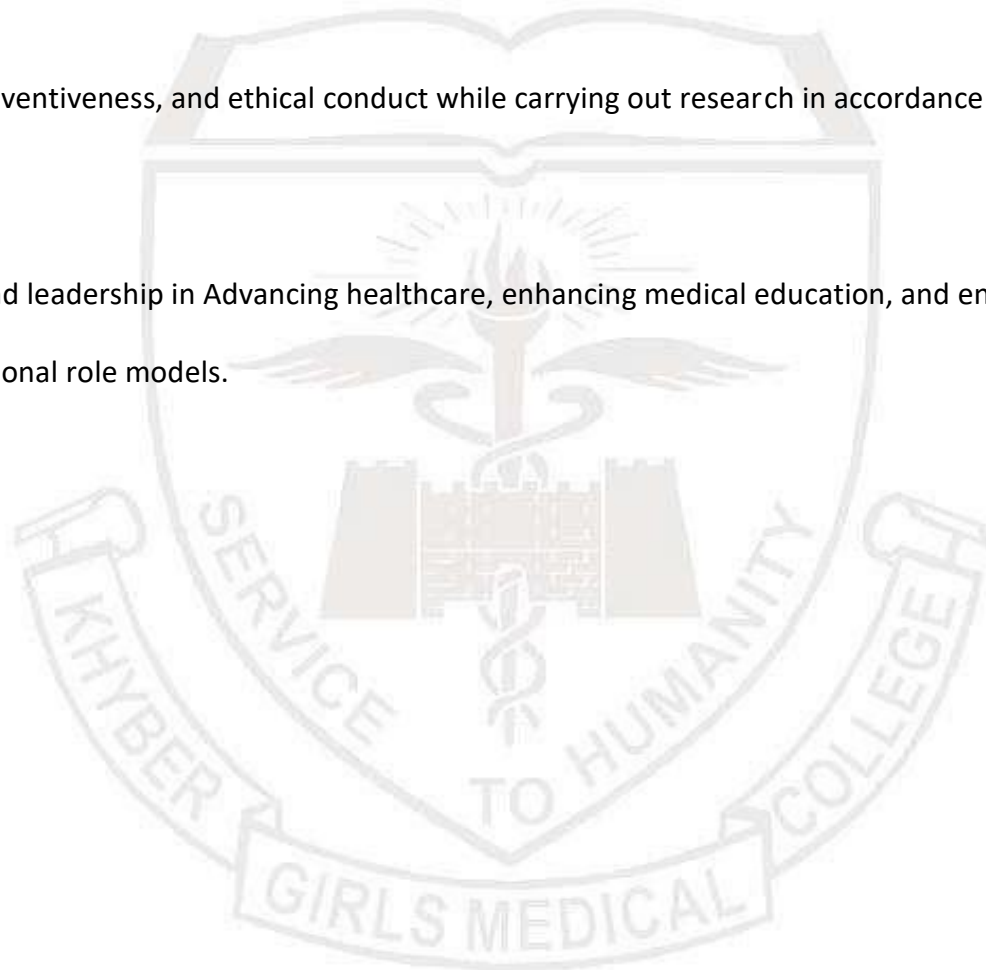
communication skills and lifelong learner) that embody good medical practice.

6. Researcher

Exhibit a spirit of inquisitiveness, inventiveness, and ethical conduct while carrying out research in accordance with the prescribed guidelines.

7. Leader and role Model

Demonstrate exemplary conduct and leadership in Advancing healthcare, enhancing medical education, and enhancing the trust of the public in the medical profession by being exceptional role models.



KNOWLEDGE

By the end of five-year MBBS program the KGMC student should be able to;

1. Acquire a high level of clinical proficiency in history taking, physical examination, differential diagnosis, and the effective use of medicine's evolving diagnostic and procedural capabilities including therapeutic and palliative modalities
2. Manage the common prevalent diseases in community
3. Identify the common medical emergencies
4. Develop plan for prevention of common community diseases
5. Formulate a referral plan
6. Compose a prescription plan

PSYCHOMOTOR

By the end of five-year MBBS program the KGMC student should be able to;

1. Demonstrate the ability to perform the disease specific relevant examination
2. Respond to common medical emergencies
3. Master the skill of first aid
4. Perform BLS
5. Apply the best evidenced practices for local health problems

AFFECTIVE

By the end of five year MBBS program the KGMC student should be able to

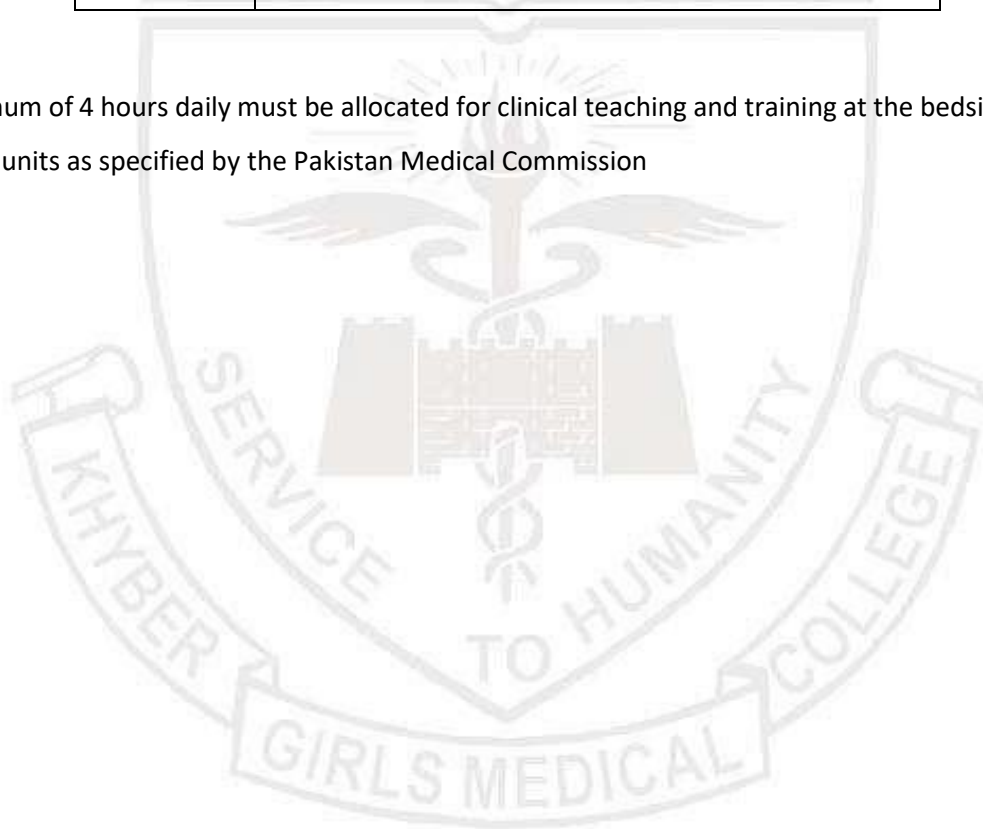
1. Relate to patient and careers vulnerability
2. Demonstrate ethical self-management
3. Counsel and educate patients and their families to empower them to participate in their care and enable shared decision-making.
4. Display compassion with patient and colleagues
5. Demonstrate in clinical care an understanding of the impact of psychological, social, and economic factors on human health and disease

Themes

S. No	Module / System / Theme
	Foundation Module
1	The In-Patient
	Blood module
2	Pallor
3	Fever
	Musculoskeletal Module
4	Joint & bone pains
5	Muscle weakness
6	Skin rashes and burns
	Cardiopulmonary system
7	Chest Pain and Palpitations
8	Shortness of Breath
9	Fever and cough
10	Painful leg and Blood pressure
	Renal System
11	Facial swelling
12	Scanty Urine
13	Loin pain and dysuria
	Endocrine and Reproductive System
14	Tall / short stature
15	Neck swelling and muscle cramps
16	Excessive thirst and urination
17	Moon face and obesity
18	Pregnancy and breast feeding
	Nervous System-3
19	Disturbed mood and behavior
20	Right-sided Weakness and Inability to Speak
21	Loss of consciousness and Fits
22	Tremors and movement disorders
23	Headache

24	Lower limb weakness
	GIT and Hepatobiliary System
25	Difficulty in swallowing and Epigastric Pain
26	Yellow discoloration of the sclera
27	Pain Abdomen, diarrhea & Constipation
	Multisystem-2
28	Weight loss/gain
29	Poisoning
30	Cold and heat
31	The abnormal baby
32	Rash and joint pains

*A minimum of 4 hours daily must be allocated for clinical teaching and training at the bedside in different units as specified by the Pakistan Medical Commission



Specific learning objectives

Foundation Module				
Subject	Topic	S. No	Domain of learning	Learning objective: <i>At the end of this session, the students of year 5 will be able to:</i>
Theme-1: The in-patient				
Medicine	Clinical decision making (Evidence-based Medicine)	1	Cognitive	Define EBM
		2	Cognitive	Explain the steps of evidence based medicine/practice
		3	Cognitive	Discuss the levels of evidence
	Patient safety	4	Cognitive	Explain the concepts of patient safety
		5	Cognitive	Discuss the types, etiology and prevention of medical errors
	Clinical governance and clinical audit	6	Cognitive	Explain the components of clinical governance
		7	Cognitive	Explain the steps of clinical audit
	Patient and family counselling/breaking bad news	8	Cognitive	Explain the steps of SPIKES model of breaking bad news and counselling
Psychiatry	Family health education	9	Cognitive	Explain the care of a patient at home especially for chronic illnesses
		10	Cognitive	To enhance the compliance of both pharmacological and nonpharmacological management in acute and chronic illnesses
		11	Cognitive	Explain strategies to reduce follow up tertiary care visits
	Initial psychiatric assessment	12	Cognitive	Discuss the initial psychiatric assessment of a patient admitted
Radiology	Diagnostic imaging	13		Describe the basic principles of radiation protection
		14		Explain the types and principles of different imaging techniques and their indications

Medicine	End-of-Life and palliative care	15	Cognitive	Discuss the steps and prerequisites of end of life and palliative care
	Geriatric Care	16	Cognitive	Explain the concepts of geriatric care and problems associated with it
Medicine	Preoperative evaluation and fitness for anaesthesia and surgery	17	Cognitive	Evaluate a patient for fitness for surgery and anaesthesia
Blood Module				
Theme-2: Pallor & bleeding				
Medicine	Anemias	18	Cognitive	Evaluate a patient with anemia
		19	Cognitive	Explain the diagnostic workup of a patient with anemias
		20	Cognitive	Classify anemias based on history, physical examination and relevant investigations
		21	Cognitive	Manage a patient with iron deficiency anemia
		22	Cognitive	Manage a patient with hereditary anemias
		23	Cognitive	Manage a patient with hemolytic anemias (hereditary and acquired)
		24	Cognitive	Manage a patient with anemia resulting from bone marrow failure
		25	Psychomot or skills	Take a history from a patient with anemias
		26	Psychomot or skills	Perform physical examination of a patient with anemia
		27	Psychomot or skills	Perform hematological examination
		28	Affective domain	Counsel a patient with different type of anemias
		29	Cognitive	Explain the diagnostic approach to a patient with bleeding disorder
		30	Cognitive	Classify hypercoagulable states and their management and prevention of thrombosis

Theme-3: Fever				
Medicine	Leukopenia	31	Cognitive	Evaluate a peripheral blood film
		32	Cognitive	Explain the diagnostic approach to a patient with Leukopenia
		33	Psychomotor	Take a history from a patient with leukopenia and aplastic anemia
	Leukemias	34	Cognitive	Explain the diagnostic approach to a patient with leukocytosis
		35	Cognitive	Classify Leukemias
		36	Cognitive	Explain the management of a patient with acute Leukemias
		37	Cognitive	Explain the management of a patient with chronic Leukemias
		38	Psychomotor	Take history and perform physical examination of a patient with leukocytosis
	Splenomegaly	39	Cognitive	Classify the causes of splenomegaly
		40	Cognitive	Explain the diagnostic approach to a patient with splenomegaly
	Lymphadenopathy	41	Cognitive	Classify the causes of generalized lymphadenopathy
		42	Cognitive	Explain the diagnostic approach to a patient with generalized lymphadenopathy
		43	Cognitive	Classify lymphomas
		44	Cognitive	Explain the management of a patient with Lymphoma (Hodgkin`s and Non-Hodgkin`s)
		45	Cognitive	Explain tumor lysis syndrome and its management
		46	Cognitive	Explain the common adverse effects of chemotherapeutic agents used in hematological malignancies and their management and prevention
		47	Affective	Counsel a patient with newly diagnosed hematological malignancy

Musculoskeletal Module				
Theme-4: Joint & bone pains				
Medicine	Introduction to arthritides: Classification Serological tests	48	Cognitive	Classify autoimmune diseases of joints based on the pattern of joint involvement A) Peripheral <ul style="list-style-type: none"> • Symmetrical • Oligoarticular • Monoarticular B) Axial
		49		Explain the types, and indications of autoimmune markers in different Rheumatological disorders
		50		Describe different modalities of investigations and their indications used in different arthritic disorders
		51		Explain the extra-articular manifestations of inflammatory arthritides
	Management of adult arthritides	52		Explain the differential diagnosis, diagnostic and therapeutic approaches to an adult patient with mono-arthritis
		53		Explain the differential diagnosis, diagnostic and therapeutic approaches to an adult patient with symmetrical polyarthritis
		54		Explain the differential diagnosis, diagnostic and therapeutic approaches to an adult patient with oligoarticular arthritis
	Management of common arthritic disorders	55		Discuss the management of patient and complications with Rheumatoid arthritis
		56		Discuss the management, complications, and prognosis of a patient with SLE
		57		Explain the management and complications of a patient with Ankylosing spondylitis
		58		Discuss the clinical features and diagnosis of Reiter's syndrome, Reactive arthritis and Psoriatic arthritis

		59		Discuss the management of patient and complications with Osteoarthritis
		60		Discuss the management of patient and complications with acute Gout and Gouty Arthritis
		61	Psychomotor	Take history and perform a physical examination of a patient with symmetrical arthritis
		62	Affective	Counsel a patient with new onset Rheumatoid arthritis
Medicine	osteoporosis	63	Cognitive	Explain the etiology, risk factors, complications, management, and prevention of Osteoporosis
Theme-5: Muscle weakness				
Medicine	Proximal myopathy	64	Cognitive	Elaborate on the etiology and diagnostic workup of a patient with proximal muscle weakness
	Polymyositis and dermatomyositis	65	Cognitive	Discuss the pathogenesis, clinical features, investigations, differential diagnosis and management of Polymyositis and Dermatomyositis
Psychiatry	Somatoform disorders	66	Cognitive	Classify somatoform disorders
		67	Cognitive	Explain the criteria for the diagnosis of pain somatoform disorders
		68	Cognitive	Explain the clinical presentation, psychiatric assessment, pharmacological and psychological management of a patient with fibromyalgia and other somatoform disorders
		69	Psychomotor	Take psychiatric history from a patient suffering from somatoform disorder
		70	Affective	Counsel a patient with somatoform disorder
Theme-6: Skin rashes and burns				
Dermatology	Cutaneous manifestations of systemic diseases	71	Cognitive	Explain the common cutaneous manifestations of metabolic, endocrine, autoimmune, and neoplastic diseases
	Drugs rash	72	Cognitive	Classify the different types drug rashes
		73	Cognitive	Explain the clinical manifestations, differential diagnosis and management of erythema multiforme/Steven Johnson/Toxic Epidermal Necrolysis
	Viral Infections of the skin	74	Cognitive	Explain the clinical manifestations, differential diagnosis and management of Chicken Pox and Herpes Zoster

	Chicken pox and Herpes Zoster Warts (Human Papilloma Virus) Molluscum Contagiosum Cutaneous manifestations of AIDS			
		75	Cognitive	Classify Warts
		76	Cognitive	Explain the mode of transmission, differential diagnosis and management of warts
		77	Cognitive	Explain the mode of transmission, clinical presentation, differential diagnosis, and management of Molluscum Contagiosum in children and adults
	Acute Bacterial infections of the skin Impetigo Folliculitis Furunculosis carbuncles	77	Cognitive	Describe the etiology, clinical features, and management of acute bacterial skin lesions described
	Chronic bacterial infections of the skin Cutaneous Tuberculosis Leprosy Syphilis	78		Discuss the etiology, clinical features, and management of chronic bacterial skin lesions described
	Fungal infections Pityriasis versicolor Dermatophytosis Candidiasis	79		Explain the etiology, clinical features, and management of fungal infections described
	Sebaceous glands diseases Acne	80		Explain the different types of Acne

		81		Explain the pathogenetic mechanisms, clinical features, complications, differential diagnosis, and management of Acne
	Autoimmune blistering disorders Pemphigus Vulgaris Bullous pemphigoid	82		Describe the etiology, clinical features, and management of diseases described
	Eczemas	83		Classify Eczema
		84		Explain the clinical presentation, differential diagnosis and management of different types of Eczemas
	Inflammatory dermatosis Psoriasis Lichen Planus Sebbhoric Dermatitis Erythema Nodosum Urticaria	55		Describe the etiology, clinical features, and management of diseases mentioned
	Erythroderma	86		Discuss the etiology, clinical presentation, differential diagnosis and management of Erythroderma
		87	Psychomot or	Take history form a patient with generalized Rash
		88	Affective	Counsel a patient suffering from Psoriasis

Cardiorespiratory system

Theme 7: Chest Pain and Palpitations

Medicine/ Cardiology	Approach to a patient with chest pain	89	Cognitive	Discuss the diagnostic workup and management approach for a patient with chest pain
		90	Psychomot or	Take history and perform physical examination of patient with chest pain
	Ischemic heart diseases	91	Cognitive	Classify IHD
		92	Cognitive	Explain the management approach to a patient with stable angina pectoris

		93	Cognitive	Explain the management approach to a patient with unstable angina pectoris
		94	Cognitive	Explain the management approach to a patient with acute MI
		95	Cognitive	Discuss the risk stratification strategies in post-MI patients
	Disorders of Rhythm	96	Cognitive	Classify arrhythmias and heart block and discuss their ECG abnormalities
		97	Cognitive	Explain the diagnostic and management approach to a patient with irregularly irregular pulse
		98	Cognitive	Discuss the management approach to a patient with SVT
		99	Cognitive	Discuss the management approach to a patient with Ventricular tachycardia
		100	Cognitive	Explain the management of a patient with different types of heart blocks
		101	Affective domain	Counsel a patient with recent onset acute MI
Cardiology	Cardiac intervention techniques	102	Cognitive	Explain the different types, methods, and indications of cardiac interventions in cardiology practices

Theme 8: Shortness of breath

Medicine	Congestive cardiac failure	103	Cognitive	Explain the types, etiology, clinical features, investigations, prognosis and management of a patient with CCF
		104	Cognitive	classify cardiomyopathies
		105	Cognitive	Explain the etiology, clinical features, and management of a patient with myocarditis
	Pericarditis and pericardial effusion	106	Cognitive	Explain the etiology, clinical features, and management of a patient pericarditis and pericardial effusion
Medicine/ Pulmonology	Bronchial asthma (Wheezy chest)	107	Cognitive	Explain the diagnostic and management approach for a patient with chronic wheezy chest
		108	Cognitive	Differentiate between bronchial asthma and cardiac asthma

	COPD	109	Cognitive	Explain the diagnostic and management approach for a patient with COPD
		110	Cognitive	Interpret Pulmonary Function test results
		111	Cognitive	Interpret a report of Arterial blood gases
	Interstitial lung disease (ILD)	112	Cognitive	Discuss the types, etiology, clinical and radiological presentation, investigations and management of a patient with ILD
	Pleural effusion	113	Cognitive	Explain the diagnostic and management strategies in a patient with pleural effusion
		114	Psychomotor	Assist in pleural fluid aspiration
	Pneumothorax	115	Cognitive	Explain the diagnostic and management strategies in a patient with Pneumothorax
	Pulmonary embolism	116	Cognitive	Discuss the risk factors diagnostic criteria, complications, and treatment of a patient with suspected pulmonary embolism
Pulmonology	Respiratory Failure	117	Cognitive	Explain the types, etiology, and pathogenesis of Respiratory Failure
		118	Cognitive	Discuss the diagnostic workup and management for Respiratory Failure
		119	Cognitive	Discuss the types, indications and approaches to Oxygen therapy
Family Medicine	IHD/CCF	120	Cognitive	Explain the management strategies of a patient with IHD and heart failure in general practice including the psychosocial impact of disease on patient and their families
		121	Cognitive	Describe the strategies for prevention of IHD and CCF
		122	Cognitive	Identify the red-flags in a patient with IHD/CCF and appropriately refer to speciality care when required
Theme-9: Fever and Cough				
Medicine	Bacterial endocarditis	123	Cognitive	Explain the risk factors, etiology, clinical features, diagnostic criteria, management and prevention of Bacterial endocarditis
	Pneumonias	124	Cognitive	Discuss the etiology and classification of pneumonias

		125	Cognitive	Explain the etiology, risk factors clinical features, diagnosis, and management of patients with different types pneumonias
		126	Psychomot or	Examine a patient with features of pneumonia
	Pulmonary Tuberculosis	127	Cognitive	Explain the diagnostic workup, management, and complications of a suspected case of pulmonary TB
	Bronchiectasis	128	Cognitive	Develop a management algorithm for a patient with bronchiectasis
	Lung abscess	129	Cognitive	Explain the etiology, clinical and radiological features, complications and management of a patient with lung abscess
	Lung tumors	130	Cognitive	Classify lung tumors
		131	Cognitive	Explain the diagnostic workup and management and complications of a patient with suspected Bronchogenic carcinoma
		132	Cognitive	Explain the diagnostic workup and management and complications of a patient with suspected pleural mesothelioma
	Cardiovascular involvement in systemic diseases	133	Cognitive	Discuss the cardiovascular manifestations of systemic diseases, their clinical features, investigations, prognosis, and relevant management
	Pulmonary involvement in systemic diseases	134	Cognitive	Discuss the pulmonary manifestations of systemic diseases, their clinical features, investigations, prognosis, and relevant management
Family medicine	Acute respiratory presentations- primary care management and Red flags	135	Cognitive	Explain the approach to a patient with cough or shortness of breath in a primary health care setting.
		136	Cognitive	Discuss the differential diagnosis of a patient with cough or shortness of breath
		137	Cognitive	Discuss the investigations for a patient with cough or shortness of breath in a primary health care setting

		138	Cognitive	Identify common red-flags
		139	Cognitive	Identify patients that need urgent and proper referral for specialist care
Theme-10: Painful leg and Blood pressure				
Medicine	Deep vein thrombosis (DVT)	140	Cognitive	Discuss the diagnostic algorithm for an elderly patient with a sudden swollen and painful limb
		141	Cognitive	Discuss the diagnosis and management strategies for a patient with DVT
	Coarctation of Aorta	142	Cognitive	Explain the types, clinical features, investigations, complications, and management of Coarctation of the Aorta
	Systemic Hypertension	143	Cognitive	Discuss the management approach to a patient who is newly diagnosed hypertensive
		144	Psychomot or skills	Take history from a hypertensive patient
		145	Psychomot or skills	Perform a physical examination of a hypertensive patient
		146	Affective domain	Counsel a newly diagnosed hypertensive patient
Family medicine	Hypertension in general practice	147	Cognitive	Explain the management strategies of a hypertensive patient in general practice including the psychosocial impact of disease on patient and their families
		148	Cognitive	Describe the strategies for prevention of hypertension and its complications
		149	Cognitive	Identify the red-flags in a hypertensive patient and appropriately refer to specialty care when required
Renal Module				
Theme 11: Facial swelling				
Medicine/ Nephrology	Investigations of renal diseases	150	Cognitive	Discuss the biochemical, radiological, hematological and other specialized investigations and their interpretations in renal diseases
	Approach to a facial swelling	151	Cognitive	Discuss the diagnostic workup and management approach for a patient with facial swelling of renal origin

		152	Psychomotor	Take history and perform physical examination of patient with facial swelling
	Minimal change disease	153	Cognitive	Explain the diagnostic workup and management and complications of a patient with Minimal change disease
	Post streptococcal Glomerulonephritis	154	Cognitive	Explain the diagnostic workup and management and complications of a patient with Post-Streptococcal Glomerulonephritis
	IgA Nephropathy	155	Cognitive	Explain the diagnostic workup and management and complications of a patient with IgA Nephropathy
	Chronic glomerulonephritis	156	Cognitive	Explain the diagnostic workup and management and complications of a patient with Chronic glomerulonephritis
Theme-12: Scanty Urine				
Medicine/ Nephrology	Electrolyte disorders	157	Cognitive	Explain the etiology, clinical features, diagnosis and treatment of Hyper and Hyponatremia
		158	Cognitive	Explain the etiology, clinical features, diagnosis and treatment of hyper and hypokalemia
		159	Cognitive	Explain the etiology, clinical features, diagnosis and treatment of hyper and hypophosphatemia
		160	Cognitive	Explain the etiology, clinical features, diagnosis and treatment of hyper and hypomagnesemia
	Blood Ph abnormalities	161	Cognitive	Explain the etiology, clinical features, diagnosis and treatment of Metabolic acidosis and alkalosis and its associated compensations
		162	Cognitive	Explain the etiology, clinical features, diagnosis and treatment of respiratory acidosis and alkalosis and its associated compensation
	Scanty Urine	163	Cognitive	Discuss the diagnostic workup and management approach for a patient with oliguria and anuria

	Uremia	164	Cognitive	Discuss the pathophysiological mechanisms, clinical manifestations, investigations and management of a patient with Uremia
	Chronic Kidney Injury	165	Cognitive	Explain the diagnostic workup and management and complications of a patient with Chronic Kidney Injury
Theme-13: Loin pain and dysuria				
Medicine/ Nephrology	Approach to blood in urine. (haematuria)	166	Psychomotor	Take a history from a patient presenting with blood in the urine
		167	Psychomotor	Perform a physical examination of a patient with blood in the urine
		168	Cognitive	Discuss the diagnostic workup and management approach for a patient blood in urine.
	Loin pain and dysuria	169	Cognitive	Discuss the diagnostic workup and management approach for a patient with loin pain and dysuria
	Acute pyelonephritis	170		Discuss the diagnostic workup and management approach for a patient with acute pyelonephritis
	Acute and chronic prostatitis	171		Discuss the diagnostic workup and management approach for a patient with acute and chronic prostatitis
	Sexually transmitted infections	172	Cognitive	Classify STDs and enlist their treatment options
		173	Cognitive	Discuss the management approach of a patient with a new onset lesion on the genitalia
Endocrine and Reproductive System				
Theme-14: Tall / short stature				
Medicine	Anterior pituitary gland	174	Cognitive	Discuss the diagnostic approach and management of a patient with tall stature
	Posterior pituitary gland	175	Cognitive	Discuss the approach consideration of a patient with polydipsia

			Cognitive	Explain the diagnostic approach and treatment of a patient with Diabetes insipidus
Pediatrics	Short stature		Cognitive	Discuss the diagnostic approach and management of a child with short stature.
Theme-15: Neck swelling and muscle cramps				
Medicine	Thyroid gland disorders	176	Cognitive	Discuss the diagnostic approach, management and complications of a patient with suspected hyperthyroidism
		177	Cognitive	Discuss the diagnostic approach, management and complications of a patient with suspected hypothyroidism
	Parathyroid gland	178	Cognitive	Discuss the diagnostic approach, management and complications of a patient with tetany
		179	Psychomotor	Take history and perform physical examination of a patient with goitre
		180	Affective	Counsel a patient with goitre
Surgery	Thyroid nodule		Cognitive	Explain the diagnostic approach, management, and complications of multinodular goitre.
			Psychomotor	Explain the diagnostic approach, and management of a patient with solitary thyroid nodule. Perform thyroid examination
Pediatrics	Thyroid disorders		Cognitive	Explain the neonatal screening for hypothyroidism Explain the diagnostic approach and management of a child with suspected Cretinism C Discuss the complications of Cretinism
			Psychomotor	Take history and perform physical examination of a child with hypothyroidism/cretinism.
Theme-16: Excessive thirst and urination				
Medicine	Diabetes Mellitus	181	Cognitive	Explain the diagnostic approach, screening and management of a patient with suspected Diabetes Mellitus

		182	Cognitive	Elaborate the pharmacological and non-pharmacological management strategies in the management of type-1 and type-2 DM
		183	Cognitive	Elaborate the acute and chronic complications of DM and their management
		184	Cognitive	Discuss the diagnostic approach, management and complications of hyperglycemic syndromes in Diabetic patients
			Cognitive	Explain the diagnosis, management and complications of a diabetic patient presenting with hypoglycemia
		185	Psychomotor	Take history and perform physical examination of a patient with Type 2 DM
		186	Affective	Counsel a newly diagnosed patient with DM
Family medicine	Diabetes mellitus-general practice management	187	Cognitive	Explain the management strategies of a diabetic patient in general practice including the psychosocial impact of disease on patient and their families
		188		Describe the strategies for prevention of diabetes mellitus and its complications
		189		Identify the red-flags in a diabetic patient and appropriately refer to specialty care when required
Nephrology	Diabetic nephropathy	190	Cognitive	Explain the pathogenesis, clinical features, complications, short and long-term management of Diabetic Nephropathy
Surgery	Diabetic foot ulcers		Cognitive Psychomotor	Discuss the classification, investigations, management, and complications of diabetic foot ulcers Examine and stage a diabetic foot ulcer
Paediatrics	Type-1 DM		Cognitive Psychomotor Affective	Explain the diagnostic approach, screening, and management of a Child with suspected Type-1 Diabetes Mellitus Take history and perform physical examination of a patient with Type 2 DM

				Counsel a newly diagnosed patient and parents with type 1 DM
Theme-17: Moon face and obesity				
Medicine	Cushing`s syndrome	191	Cognitive	Discuss the diagnosis, management and complications of a patient with suspected Cushing`s syndrome
		193	Cognitive	Explain the Dexamethosone suppression test in terms of its indications and interpretation
		194	Cognitive	Explain the protocol of steroids withdrawal in a patient with steroids abuse
		195	Psychomotor	Take history and perform physical examination of a patient with Cushing`s syndrome
	Addison`s disease	196	Cognitive	Discuss the diagnosis, management and complications of a patient with suspected Addison`s disease (both primary and secondary)
		197	Cognitive	Explain the concept of steroids replacement in terms of its indications and precautions
	Obesity	198	Cognitive	Discuss the etiology, complications, medical and surgical approaches to the management of obesity
		199	Psychomotor	Take history and perform physical examination of a patient with morbid obesity
		200	Affective	Counsel a morbidly obese patient regarding the complications and lifestyle management
Theme-18: Pregnancy and breast feeding				
Family medicine	Hypertensive disorders in pregnancy	201	Cognitive	Classify hypertension in pregnancy and disorders of hypertension in pregnancy
			Cognitive	Discuss the diagnostic approach, management, complications and prevention of Pre-eclampsia and Eclampsia
Family medicine	Diabetes mellitus and pregnancy	202	Cognitive	Explain the management of a pregnant lady with gestational DM and overt DM

Gynaecology and Obstetrics	Obstetrics history and examination		Psychomotor	<p>Take an obstetric history and perform abdominal, pelvic, and obstetric examination of a pregnant lady.</p> <p>Measure and interpret blood pressure in a pregnant lady</p> <p>Examine the breast of a full-term pregnant female</p> <p>Perform urine examination via dipstick technique for pregnancy, glucose, urine, and bacteria</p>
	Antenatal care		<p>Cognitive</p> <p>Define and explain the aims of antenatal care</p> <p>Discuss the components of antenatal care</p> <p>Explain different types of screening tests during antenatal care</p> <p>Discuss the maternal and neonatal complications associated with increased BMI in pregnancy</p> <p>Identify high risk women of developing pre-eclampsia, preterm birth, fetal growth restriction, and vitamin D deficiency</p> <p>Psychomotor</p> <p>Perform and record proper antenatal check-ups</p>	
	<p>Assessment of fetal wellbeing</p> <p>Prenatal diagnosis</p> <p>Antenatal maternal and obstetric complications</p>		<p>Cognitive</p> <p>Explain the methods of assessment of fetal wellbeing</p> <p>Cognitive Explain the types and diagnosis of fetal abnormalities</p> <p>Prenatal diagnosis 1 Cognitive Explain the reasons, classification, and methods of prenatal diagnosis</p> <p>Cognitive</p> <p>Discuss musculoskeletal, gastroenterological, and hematological problems associated with pregnancy.</p> <p>Discuss the risk factors and management of venous thromboembolism in pregnancy.</p> <p>Explain the causes, complications, and management of polyhydramnios and oligohydramnios.</p> <p>Discuss the etiology, complications and management of fetal malpresentations.</p> <p>Explain the approach and management of a pregnant lady with antepartum bleeding.</p> <p>Discuss the etiology, prevalence, management, and prevention of Rh isoimmunization.</p>	

	Preterm labor			Discuss the etiology, complications, and management of preterm labor
Obstetrics	Perinatal infections		Cognitive	Classify prenatal infections. Explain the screening and preventive strategies of common perinatal infections.
	Labour		Cognitive	Explain the management of normal labour at different stages Explain the management of abnormal labour at different stages Discuss the indications and complications of analgesia and anesthesia in labour.
	Management of labor in special circumstances		Psychomotor	Discuss the management of labour at special circumstances like uterine scar, fetal malposition's, and multiple pregnancies, Explain the types, indications, and complications of operative deliveries. Discuss the indications and complications of Caesarian section Observe normal labour and assisted deliveries
Psychiatry	Obstetric emergencies		Cognitive	Classify obstetric emergencies. Discuss the management of sepsis in pregnancy Explain the management and complications of placental diseases in a pregnant woman.
	Postpartum bleeding		Psychomotor Cognitive	Observe a normal delivery Postpartum bleeding Discuss the etiology, diagnostic and management approach to a patient with postpartum haemorrhage.
	Puerperium			Classify puerperal disorders and their management Classify different psychiatric disorders in pregnancy and puerperium. Discuss the management of puerperal psychosis and depression
	Psychiatric disorders in pregnancy and puerperium			

			Affective	Counsel a patient and her family with postpartum psychosis/depression
Pediatrics	The neonate		Cognitive Psychomotor	Discuss the types and management of common problems of preterm and term babies Discuss the principles of neonatal care Observe the care of a neonate in nursery Take history and perform physical examination of a neonate
Surgery	Breast diseases		Cognitive Psychomotor Affective	Discuss approach to a patient with breast lump emphasizing on diagnostic work-up of different breast pathologies (complexity of benign and malignant breast diseases) including imaging and procedures Discuss the diagnostic approach and management of a patient with nipple discharge. Perform a Clinical breast examination by all techniques including “radial wagon wheel” and “spoke” method Counsel a patient with breast cancer about the diagnosis, management, and screening of her family members

Nervous System-3

Theme-19: Disturbed mood and behavior

Medicine	Dementia	203	Cognitive	Discuss the etiology, clinical features and management of different types of Dementias
			Cognitive	Classify the reversible and irreversible causes of Dementia
			Cognitive	Explain the pathophysiology and clinical features of a patient with Huntington's disease
			Cognitive	Discuss the diagnostic work up and management for patients suspected of dementia
		204	Psychomotor Skills	Perform mini-mental state examination

Psychiatry	PTSD	205	Cognitive	Explain the etiology and management of a patient with PTSD
	OCD		Cognitive	Explain the etiology and management of a patient with OCD
	Somatic symptoms disorder	206	Cognitive	Explain the etiology and management of a patient with Somatic symptoms disorder and Chronic pain syndromes
	Autism spectrum disorder		Cognitive	Explain the etiology and management of a child with Autism spectrum disorder
	Substance abuse		Cognitive	Explain the risk factors, types of substance abuse, clinical features, withdrawal symptoms, complications and management of a patient with substance abuse
		207	Affective Domain	Counsel and educate a family of a patient with Dementia
Family Medicine/ General Medicine	Anxiety and depression	208	Cognitive	Explain the approach to a patient with anxiety and depression in a primary health care setting.
			Cognitive	Explain the risk assessment for mental health
			Cognitive	Identify common red-flags.
			Cognitive	Discuss the guidelines for management of a patient with Anxiety and depression in a primary health care setting.
		209	Psychomotor Skills	Perform Screening for Anxiety, Depression and Schizophrenia.
		210	Psychomotor Skills	Perform a consultation with a patient with anxiety or depression under supervision.

		211	Affective domain	Observe the consultation of a family physician with a patient with anxiety or depression
Theme 20: Right-sided Weakness and Inability to Speak				
Medicine	Stroke syndromes	211	Cognitive	Discuss the diagnostic and management approach for a patient with Right-sided weakness and inability to speak due to an ischemic stroke
		212	Cognitive	Discuss the diagnostic workup and management for a patient suspected of Haemorrhagic stroke
	Subarachnoid haemorrhage SAH)		Cognitive	Discuss the diagnostic workup and management for patients suspected of SAH
		213	Psychomotor Skills	Demonstrate the complete assessment of the patient on the NIH stroke scale under supervision
		214	Psychomotor Skills	Demonstrate the assessment of a comatose patient on the Glasgow coma scale under supervision
		215	Psychomotor Skills	Interpret the CT and MRI findings in stroke patients
		216	Affective domain	Counsel a stroke victim about future prevention and management of complications
Theme-21: Loss of consciousness and Fits				
Medicine	Coma	217	Cognitive	Discuss the management algorithm of a patient with coma
	Epilepsy		Cognitive	Discuss the diagnostic work up and management for a patient with fits
		218	Cognitive	Discuss the diagnostic work up and management for a patient with Tonic Clonic epilepsy
			Cognitive	Discuss the diagnostic work up and management for a patient with Status Epilepticus

		219	Psychomotor Skills	Perform a consultation with a patient with epilepsy under supervision
		220	Psychomotor Skills	Write prescriptions for patients with Tonic-Clonic and Petit-mal epilepsy
		221	Affective	Counsel a patient with Epilepsy
Theme-22: Tremors and movement disorders				
Medicine	Movement Disorders	222	Cognitive	Classify movement disorders
			Cognitive	Discuss the diagnostic workup and management for patients suspected Cerebellar disorders
			Cognitive	Discuss the diagnostic and management approach to a patient with Ataxia
			Cognitive	Discuss the diagnostic and management approach to a patient with Chorea
	Parkinson`s disease	223	Cognitive	Discuss the diagnostic criteria, pharmacological, psycho-social, and rehabilitative approaches to the management of a patient with Parkinson`s disease
		224	Psychomotor	Examine a patient with Parkinson`s disease by taking history and performing a physical examination
Psychiatry	Dystonia	225	Cognitive	Discuss the diagnostic approach and management for patients suspected of Drug-Induced Dystonia
Theme 23: Headache				
Medicine	Headache	226	Cognitive	Explain the diagnostic approach to patients with acute and chronic headaches
	Migraine		Cognitive	Explain the types, risk factors, diagnostic approach, management, and prevention of Migraine
			Psychomotor Skills	Demonstrate Complete history and examination of patient with migraine

			Affective domain	Discuss the lifestyle changes preventing migrainous headaches
	Meningitis	227	Cognitive	Classify meningitides
			Cognitive	Differentiate between the clinical features, investigations, CSF findings, radiological findings, and complications in patients with viral, bacterial, and tuberculous meningitis
			Cognitive	Discuss the pharmacological and surgical management approaches in patients with different types of meningitides
		228	Psychomotor Skill	Take history and perform relevant physical examination and elicit signs of meningitis in a suspected patient
		229	Psychomotor Skill	Interpret a CSF report in a patient with viral, acute pyogenic and tuberculous meningitis
		230	Psychomotor Skill	Observe the Lumbar puncture
		231	Affective domain	Counsel a patient and his/her family with Tuberculous meningitis regarding complications, treatments` side effects and follow ups
	Encephalitis	232	Cognitive	Discuss the etiology, pathogenesis, clinical features, investigations, complications, and treatment of Encephalitis
Family Medicine/ General Medicine		233	Cognitive	Explain the approach to a patient with Headache in a primary health care setting
			Cognitive	Identify common red-flags in a patient with headache
			Cognitive	Discuss the investigations for a patient with Headache in a primary health care setting.
			Cognitive	Identify patients that need urgent and proper referral for specialist care.

Theme-24: Lower limb weakness				
Medicine	Multiple Sclerosis	234	Cognitive	Discuss the diagnostic approach and management of a patient with suspected Multiple Sclerosis
		235	Psychomotor	Examine the lower limbs of a patient with paraplegia
		236	Affective Domain	Discuss and counsel the pts regarding the changes in the lifestyle of patients with Multiple sclerosis
	Acquired Neuropathies	237	Cognitive	Classify acquired neuropathies and discuss their clinical features, investigations, and management
	Approach to lower limbs weakness	238	Cognitive	Discuss the diagnostic algorithm of a patient with lower limbs weakness
GIT and Hepatobiliary				
Theme-25: Difficulty in swallowing and Epigastric Pain				
Surgery	Dysphagia		cognitive	Explain the diagnostic workup and management of a patient with dysphagia
Medicine	Upper GI bleeding	239	Cognitive	Explain the diagnostic workup and management and complications of a patient with Upper GI bleeding
		240	Psychomotor	Take history and perform a physical examination of a patient with an upper GI bleed
		241	Psychomotor	Observe upper GI endoscopy
		242	Psychomotor	Observe NG tube insertion
Pediatric	Vomiting		Cognitive	Explain the diagnostic and therapeutic approach to a neonate and infant with persistent vomiting.
Gynaecology	Hyperemesis gravidarum		Cognitive Affective	Discuss the management of a patient with vomiting of pregnancy. Counsel a patient with hyperemesis gravidarum
Theme-26: Yellow discoloration of the sclera				
Medicine	Investigations of liver diseases	243	Cognitive	Elaborate on the investigations used for the diagnosis of hepatobiliary disorders and their interpretations

		244	Psychomotor	Take history and perform physical examination of a patient with liver cirrhosis
		245	Psychomotor	Observe Ascitic fluid paracentesis
		246	Psychomotor	Interpret Ascitic fluid report
		247	Affective	Counsel a patient with Liver cirrhosis due to Hepatitis B/C
	Acute fulminant hepatitis and acute liver failure	248	Cognitive	Discuss the diagnostic approach and management of a patient with suspected acute fulminant hepatitis/acute liver failure
	Hepatic encephalopathy	249	Cognitive	Explain the grading system, etiology, diagnostic approach, management and prevention of hepatic encephalopathy
		250	Psychomotor	Elicit Asterix/ hepatic flap
Surgery	Obstructive jaundice		Cognitive	Discuss the diagnostic approach and management of a patient with suspected obstructive jaundice.
			Affective	counsel a standardized patient with newly diagnosed Carcinoma head of the Pancreas
Pediatrics	Hyperbilirubinemias		Cognitive	Discuss the diagnostic approach and management of a neonate and infant with jaundice.
			Psychomotor	Take history and perform physical examination of a child with jaundice.
			Affective	Counsel a child and his parents with Gilbert syndrome
Gynaecology	Obstetrics cholestasis in pregnancy/fatty liver		Cognitive	Discuss the management of cholestasis in pregnancy and fatty liver in pregnancy
Theme-27: Pain Abdomen, diarrhea & Constipation				
Surgery	Acute appendicitis		Cognitive	Discuss the diagnostic approach and management of a patient with pain in the right iliac fossa due to suspected appendicitis
	Pain abdomen			Discuss the diagnostic approach and management of a patient with pain in the abdomen of acute onset and chronic onset

			Psychomotor	Illicit signs of acute appendicitis in a child.
			Affective	Counsel the parents of a child with acute appendicitis
	Intestinal obstruction Intestinal perforation Hernias		Cognitive	Discuss the etiology, diagnostic approach, and management of a patient with suspected intestinal obstruction. Discuss the etiology, diagnostic approach, and management of a patient with suspected intestinal perforation/peritonitis. Discuss the etiology, anatomical concepts, management and complications of a patient with inguinal hernias.
			Psychomotor	Perform transillumination test for inguinal hernias.
			Cognitive	Explain the diagnostic workup and management of a patient with Malabsorption due to celiac disease.
			Affective	Counsel a child and his/her parents regarding dietary advice regarding celiac disease
			Cognitive	Explain the diagnostic workup and management of a patient acute watery diarrhea
			Psychomotor	Assess the state of hydration in a child with acute diarrhea
			Cognitive	Explain the diagnostic workup and management of a patient with chronic diarrhea.
				Approach to a patient with Abdominal Pain in a primary health care
Family medicine/ medicine	Approach to a patient with Abdominal Pain in a primary health care	251	Cognitive	Explain the approach, differential diagnosis, investigations, initial management and indications for referral of a patient with Abdominal Pain in a primary health care setting
Theme-4: Constipation and bleeding per rectum				
Subject	Topic		Domain of learning	Learning objectives

Medicine	Approach to a patient bleeding Per rectum	252	Cognitive	Discuss the diagnostic workup and management approach for a patient with bleeding per rectum
Surgery	Constipation		Cognitive	Discuss the diagnostic workup and management approach for a patient with constipation
	Ulcerative colitis			Discuss the approach to the management of a patient with ulcerative colitis, its short and long-term complications, and the role of surveillance colonoscopies in the prevention of colorectal malignancies
	Crohn's Diseases		Cognitive	Discuss the approach to the management of a patient with Crohn's disease, its short and long-term complications, and extra intestinal manifestations.
	Colorectal cancer			Discuss the approach to the management of a patient with suspected colorectal cancer and its staging,
Pediatrics surgery	Hirschsprung's disease		Cognitive	Explain the etiology, clinical features, investigations, treatment of a child with Hirschsprung's disease
Multisystem-2				
Theme-28: Weight loss/gain				
Medicine	Obesity	253	Cognitive	Classify the types of obesity
		254	Cognitive	Discuss the etiology of obesity
		255	Cognitive	Explain the methods of measuring obesity
		256	Cognitive	Discuss the musculoskeletal, endocrine, cardiovascular, and psychological complications of obesity
		257	Cognitive	Classify the drugs used in the management of obesity and their complications and adverse effects
Psychiatry	Anorexia nervosa and Bulimia nervosa	258	Cognitive	Discuss the etiology, precipitating factors, clinical features and management of Anorexia nervosa

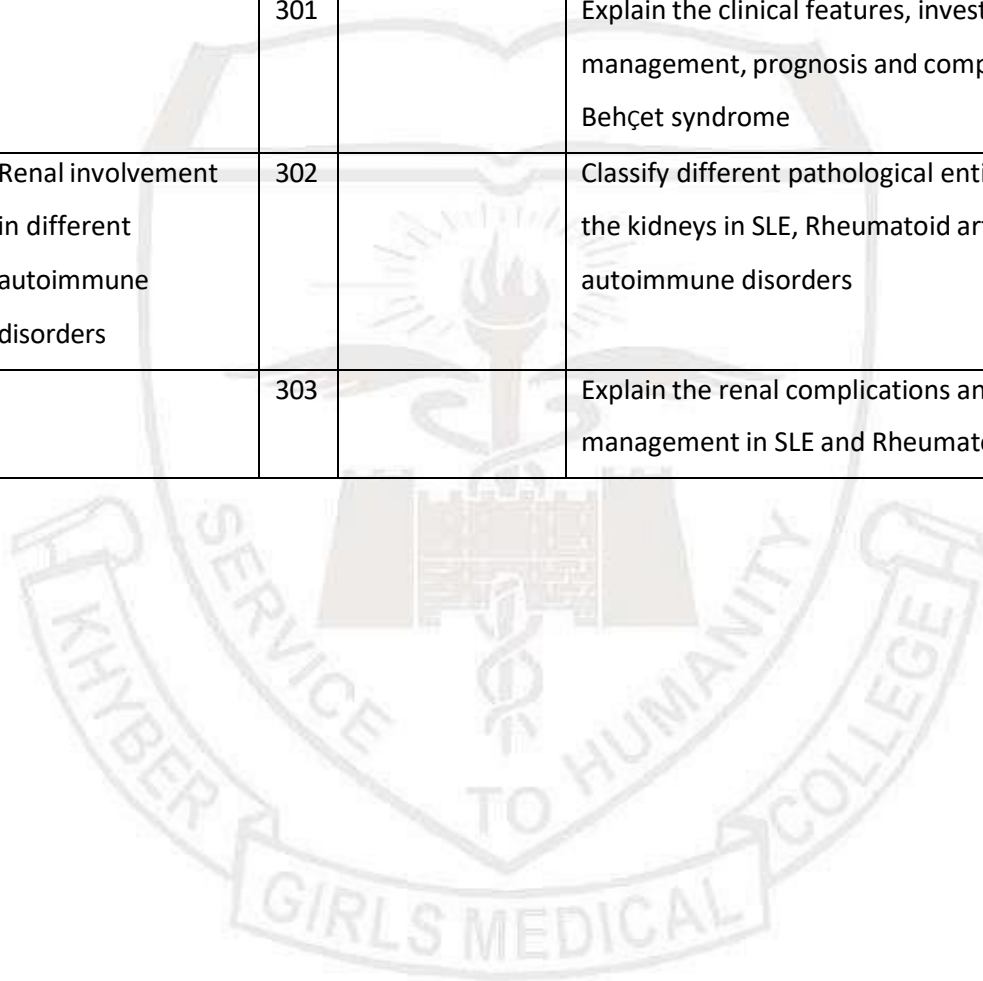
		259	Cognitive	Discuss the etiology, precipitating factors, clinical features and management of Bulimia nervosa
Theme-29: Poisoning				
Medicine	Approach to a patient with poisoning	260	Cognitive	Explain the management approach to a patient with poisoning in emergency setup
	Management of a comatose patient with poisoning	261	Cognitive	Discuss the management approach to a patient who presents in a comatose state in emergency
	Diagnosis of a patient with poisoning	262	Cognitive	Diagnose a patient with poisoning
	Common antidotes and general management of poisoning	263	Cognitive	Discuss the antidotes for common poisons and their management
	Selected poisoning Acetaminophen Amphetamines and cocaine Benzodiazepine Insecticides and anticholinergics Carbon monoxide Ethanol and Methanol Snake bites	264	Cognitive	Discuss the management of a patient with paracetamol poisoning
		265	Cognitive	Discuss the management of a patient with Amphetamine, cocaine and Ice poisoning
		266	Cognitive	Discuss the management of a patient with benzodiazepine poisoning
		267	Cognitive	Discuss the management of a patient with insecticide and anticholinergic poisoning
		268	Cognitive	Discuss the management of a patient with ethanol and methanol poisoning

		269	Cognitive	Discuss the management of a patient with Carbon monoxide (Natural gas) poisoning
		270	Cognitive	Discuss the management of a patient with snake venom poisoning
		271	Psychomotor	Perform gastric lavage
		272	Affective	Counsel a patient/family with poisoning
Theme-30: Cold and heat				
Medicine	Heat-related disorders	273	Cognitive	Classify heat-related disorders
	Hyperthermia	274	Cognitive	Explain the etiology, pathogenesis, clinical features and management of Hyperthermia and heat stroke
		275	Cognitive	Differentiate between hyperthermia and hyperpyrexia
	Hypothermia	276	Cognitive	Explain the risk factors, complications and management of hypothermia
	Drowning	277	Cognitive	Explain the management of a patient with drowning
	Electrical injuries	278	Cognitive	Discuss the management of a patient with electrocution
	High altitude sickness	279	Cognitive	Discuss the clinical features, management and prevention of high altitude sickness
	Decompression sickness	280	Cognitive	Discuss the management of a patient with decompression sickness
Theme-31: The abnormal baby				
Medicine	Chromosomal disorders	281	Cognitive	Classify chromosomal disorders and give examples
	Single gene defects	282	Cognitive	Classify single gene disorders and give examples
	Sex linked disorders	283	Cognitive	Classify sex linked disorders and give examples
	Polygenic inheritance	284	Cognitive	Classify polygenic inheritance disorders and give examples
	Marfan syndrome	285	Cognitive	Explain the clinical features and complications of Marfan syndrome

Theme-32: Rash and joint pains

Medicine	Evaluation of an adult with suspected autoimmune disorder	286	Cognitive	Discuss the diagnostic approach to a patient who presents with suspected autoimmune disorder
		287		Explain the different serological and immunological investigations used in the diagnosis of autoimmune disorders
		288		Classify and explain the mechanism of action of different pharmacotherapies in the management of autoimmune disorders
	SLE	289	Cognitive	Explain the clinical features, investigations, management, prognosis and complications of SLE
		290		Discuss the diagnostic criteria for the diagnosis of SLE
		291		Explain the differences between SLE and drug induced lupus
	Antiphospholipid syndrome	292		Explain the clinical features, investigations, management, prognosis and complications of Antiphospholipid Syndrome
	Scleroderma	293		Explain the clinical features, investigations, management, prognosis, and complications of Scleroderma/Systemic sclerosis
	Polymyositis and dermatomyositis	294		Explain the clinical features, investigations, management, prognosis and complications of polymyositis and dermatomyositis
	Sjogren Syndrome	295		Explain the clinical features, investigations, management, prognosis and complications of Sjogren Syndrome
	Giant cell arteritis and polymyalgia Rehumatica	296		Explain the clinical features, investigations, management, prognosis and complications of Giant cell arteritis and polymyalgia Rheumatica
	Polyarteritis nodosa	297		Explain the clinical features, investigations, management, prognosis and complications of Polyarteritis nodosa

	Wegener granulomatosis	298		Explain the clinical features, investigations, management, prognosis and complications of Wegener granulomatosis
	Vasculitides	299		Classify vasculitides, their clinical features, diagnostic approach and management
		300		Explain the clinical features, investigations, management, prognosis and complications of Henoch-Schönlein purpura
		301		Explain the clinical features, investigations, management, prognosis and complications of Behçet syndrome
Nephrology	Renal involvement in different autoimmune disorders	302		Classify different pathological entities involving the kidneys in SLE, Rheumatoid arthritis and other autoimmune disorders
		303		Explain the renal complications and their management in SLE and Rheumatoid arthritis



The timetables for the module will be shared via Edmodo and the notice boards in advance.

Assessment tools:

Theoretical knowledge is tested by a written examination system constituted by multiple choice questions (MCQs). The assessment of practical knowledge involves oral, spot, or objective structured practical examinations (OSPE).

Multiple Choice Questions (MCQs):

- Multiple choice questions (MCQs) are a form of assessment for which students are asked to select the best choice from a list of answers.
- MCQ consists of a stem and a set of options. The stem is usually the first part of the assessment that presents the question as a problem to be solved; the question can be an incomplete statement which requires to be completed and can include a graph, a picture or any other relevant information. The options are the possible answers that the student can choose from, with the correct answer called the key and the incorrect answers called distractors.
- Correct answer carries one mark, and incorrect 'zero mark'. There is NO negative marking.
- Students mark their responses on specified computer-based sheet designed for the college.
- The block exam will comprise of 100 MCQs and will be compiled according to the shared blueprint.

Objective Structured Practical Examination (OSCE)

- The content may assess application of knowledge, or clinical skills.
- Student will complete task in define time at one given station.
- All the students are assessed on the same content by the same examiner in the same allocated time.
- A structured examination will have observed, unobserved, interactive and rest stations.
- Observed and interactive stations will be assessed by internal or external examiners.
- Unobserved will be static stations in which students will have to answer the questions related to the given pictures, models or specimens the provided response sheet.
- Rest station is a station where there is no task given, and in this time student can organize his/her thoughts.

Attendance Requirement:

More than 75% attendance is mandatory to sit for the examinations.



Assessment Plan

Final Year MBBS

KMU (IHPER) – Central Curriculum Committee

Assessment Plan - Final Year MBBS

The year-5 will be assessed in 4 blocks

- 1) Block-1 (Foundation-3, Blood and Immunology-3, and MSK-3) will be assessed in **paper-N**.
- 2) Block-2 (Cardiorespiratory-3) will be assessed in **paper-O**.
- 3) Block-3 (Renal-3 and Endocrine and Reproduction-3) will be assessed in **paper-P**.
- 4) Block-4 (Neurosciences-3, GIT and Hepatobiliary-3 and Multisystem-2) will be assessed in **paper-Q**.
- 5) Each written paper consists of 120 MCQs.
- 6) Internal assessment will be added to final marks in KMU as shown in table below.
- 7) In OSCE, each station will be allotted 6 marks, and a total of 120 (+10% marks of internal assessment (18 marks) marks are allocated for each OSCE examination.
- 8) Any content of the subjects (medicine and allied, Surgical and allied, Gynecology and pediatrics) already covered in the previous years will be included in the final year assessments (both written and practical).
- 9) Practical assessment will be in the form of OSCE (+embedded short cases and Objective Structured Long Examination Record).
- 10) The details of each section are given in the tables below.

Section-A

Total Marks Distribution Scheme

Table 1: Distribution of marks in the final year professional examination

Assessment Plan of Year 5 MBBS							
Theory paper	Modules	Theory marks	Internal assessment theory	OSCE	Structured Long-case)	Internal assessment OSPE/OSPE	TOTAL MARKS
Paper N	Foundation-3	120	12	120	30	18	300
	Blood-3						
Paper O	Cardiopulmonary-3	120	12	120	30	18	300
Paper P	Renal-3	120	12	120	30	18	300
	Endocrine and Reproduction-3						
Paper Q	Neurosciences-3	120	12	120	30	18	300
	GIT-3						
	Multisystem-2						
Total Marks		480	48	480	120	72	1200

Section-B

Theory Examination Scheme

Table-2: Paper-N (Foundation-3, Blood-3 and MSK-3)

Block	Module	Subject hours	Subject MCQs	Total MCQs	Paper MCQs
N	Foundation-3	PRIME	5	25	120
		Medicine	3		
		Surgery	10		
		Psychiatry	3		
		Pediatrics	3		
		Radiology	1		
	Blood-3	Pediatrics	17	35	
		Medicine	16		
		Gynecology	2		
	MSK-3	Medicine	21	60	
		Orthopedics	12		
		Paediatrics	7		
		Dermatology	14		
		Surgery/plastic surgery	5		
		Psychiatry	1		

Table-3: Paper-O (CVS-3 and Respiratory-3)

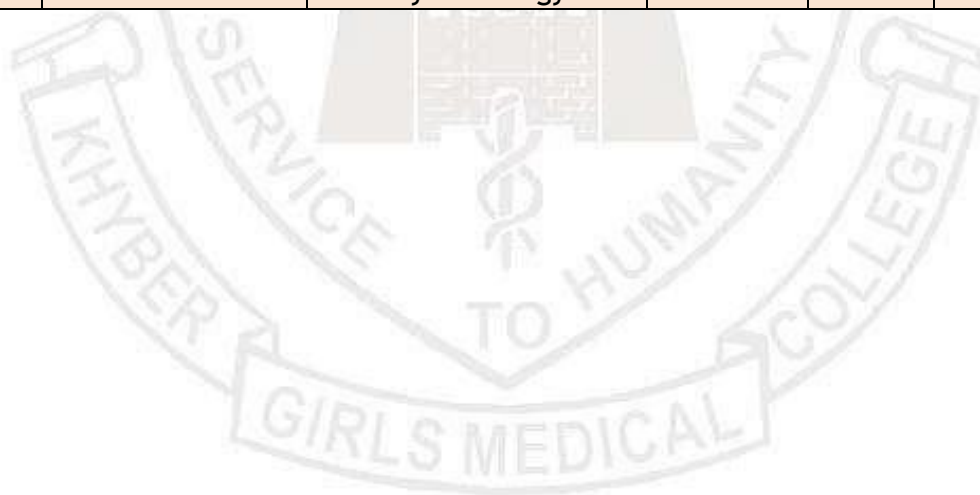
Block	Module	Subjects hours	Subject MCQs	Total MCQs	Paper MCQs
O	Cardiopulmonary- 3	CVS-3			120
		Medicine/cardiology	45	70	
		Pediatrics	25		
		Respiratory-3			
		Medicine/pulmonology	25	50	
		Pediatrics	20		
		Surgery	5		

Table-4: Paper-P (Renal-3 and Endocrine and Reproduction-3)

Block	Module	Subjects hours	Subject MCQs	Total MCQs	Paper MCQs
P	Renal-3	Medicine/Nephrology	22	40	120
		Surgery/Urology	10		
		Pediatrics	6		
		Pediatric surgery	2		
	Endocrine and Reprouction-3	Medicine/ Family medicine	12	80	
		Obstetrics	56		
		Surgery	8		
		Paediatrics	4		

Table-5: Paper-Q (Neurosciences-3, GIT-3 and Multisystem-3)

Block	Module	Subjects hours	Subject MCQs	Total MCQs	Paper MCQs
Q	NS-3	Medicine/ Family medicine	24	45	120
		Psychiatry	5		
		Pediatrics	8		
		Neurosurgery/surgery	4		
		Pediatrics surgery/Surgery	2		
		Orthopedics	2		
	GIT-3	Medicine	9	35	
		Surgery/ Pediatric surgery	17		
		Pediatrics	8		
		Gynaecology	1		
	Multisystem-2	Medicine/Nephrology	22	40	
		Paediatrics	11		
		Surgery	5		
		Psychiatry	1		
		Gynaecology	1		



Section-C

Practical Examination Scheme

Table 6: OSCE station distribution of different subjects

BLOCK-N (TOTAL STATIONS=20 and 6 marks/station)					
Subjects	OSCE stations		Viva stations	Logbook and history books (1-station)	Structured Long case =30 marks)
	Static/ interactive	Short cases			
Medicine+ Rheumatology	2	2	1	General Surgery and allied	General Surgery
Surgery	2	0	1		
Paediatrics	2	2	1		
Orthopedics	1	1	1		
Dermatology	2	0	1		
Total	9	5	5	1	1

Table 7: OSCE station distribution of different subjects

BLOCK-O (TOTAL STATIONS=20 and 6 marks/station)					
Subjects	OSCE stations		Viva stations	Logbook and history books (1-station)	Structured Long case =30 marks)
	Static/ interactive	Short cases			
Medicine	2	1	1	General medicine and allied	General Medicine
Cardiology	3	1	1		
Paediatrics	2	2	1		
Pulmonology	3	1	1		
Total	10	5	4	1	1

Table 8: OSCE station distribution of different subjects

BLOCK-P (TOTAL STATIONS=20 and 6 marks/station)					
Subjects	OSCE stations	Viva stations	Short cases	Logbook and history books (1-station)	Structured Long case -30 marks)
Gynaecology	7	1	2	Gynaecology And Obstetrics	Gynaecology And Obstetrics
Medicine+ Endocrinology	2	1	1		
Paediatrics	1	1	0		
Surgery	1	1	1		
Total	11	4	4	1	1

Table 9: OSCE station distribution of different subjects

BLOCK-Q (TOTAL STATIONS=20 and 6 marks/station)					
Subjects	OSCE stations	Viva stations	Short cases	Logbook and history books (1-station)	Structured Long case- 30 marks)
Medicine/neurology/ Gastroenterology	4	1	2	Paediatrics	Paediatrics
Paediatrics	1	1	1		
Surgery/neurosurgery/ Paediatric surgery	5	1	1		
Psychiatry	1	1	0		
Total	11	4	4	1	1

Final year Timetable for the academic session 2023 For the Medical Unit ----Week 1 Foundation Module- theme inpatient					
Day		8:30-10:30 AM	10:30-12:30 AM-PM	12:30 To 1:0PM	1:00-3:00 PM
Mon		Clinical decision making (Evidencebased Medicine) Dr Fawad Medical A classroom	Patient and family counselling/breaking bad news. Dr Fawad Medical A classroom	B R E A K	End-of-Life and palliative care Dr Mufarah Medical A classroom
Tue		Patient safety Dr Khalid Shahab Medical B classroom	Preoperative Medical care Dr Ishfaq Med B classroom		Clinical governance and clinical audit Dr Khalid Med B classroom
Wed		Initial psychiatric assessment of admitted pt Prof Wajid Ali Med A classroom	Geriatric Care Dr Ishfaq Med B classroom		Preoperative evaluation and fitness for anesthesia and surgery Dr Nazir Shah Med B classroom
Thu		Family health education. Dr Mufarih Shah Med B classroom	Bedridden care Dr Nazir Shah Med B classroom		Diagnostic imaging Radiation protection Dr Imran Khan Med B classroom
Fri		Patient and family counselling/breaking bad news Dr Khalid Med B classroom	Instruments/ X-rays/ TOACs stations Dr Said Amin Med A classroom	Friday 12:30 To 1:30 PM	Fitness for anesthesia Dr Imran Med B classroom

Day	Final year Timetable for the academic session 2023 For the Medical Unit ----Week 2 Blood Module- Theme anemia and fever				
		8:30-10:30 AM	10:30-12:30 AM-PM	12:30 To 1:0PM	1:00-3:00 PM
Mon		Anemia evaluation Dr Usman Medical B classroom	Anemia diagnostic work Dr Usman Medical B classroom	B R E A K	Classification of Anemia Dr Usman Medical B classroom
Tue		Iron Deficiency Anemia Medical B classroom Dr Usman Med B classroom	Hereditary and hemolytic anemias Dr Usman Med B classroom		Aplastic Anemia Dr Usman Med B classroom
Wed		Bleeding Disorders Dr Usman Med B classroom	History, clinical examination, and counselling of patient with Anemia Dr Usman Med B classroom		Coagulation disorders DVT Dr Usman Med B classroom
Thu		Leukopenia Dr Usman Med B classroom	Lymphadenopathy Dr Usman Medical B classroom		Leukemias & chemotherapeutic drugs Dr Usman Med B classroom
Fri		Splenomegaly Dr Usman Med B classroom	Instruments/X rays/ TOACs stations Dr Said Amin. Med A classroom	Friday 12:30 To 1:30 PM	Counsel a patient with newly diagnosed hematological malignancy. Med B classroom

WEEK K-2	DAY / DATE	SESSION 1* 0830 – 1030 HRS	SESSION 2* 1030 – 1230 HRS	BREAK	SESSION 3 1300 – 1500 HRS
	THEME ; FEVER				
	MONDAY 06.03.23	ACUTE LEUKEMIA AND ITS MANAGEMENT DR M USMAN MEDICAL C CLASSROOM	CHRONIC LEUKEMIA AND ITS MANAGEMENT DR M USMAN MEDICAL C CLASSROOM		LYMPHOMA (CLASSIFICATION, DIAGNOSIS, DR M USMAN MEDICAL C CLASSROOM
	TUESDAY 07.03.23	MANAGEMENT OF LYMPHOMA HOGKIN AND NON HOGKIN DR M USMAN MEDICAL C CLASSROOM	SPLENOMEGALY, LYMPHADENOPATHY (CAUSES, DIGNOSITIC APPROACH) DR M USMAN MEDICAL C CLASSROOM		MANAGEMENT AND COMPLICATIONS OF A PATIENT WITH ANKYLOSING SPONDYLITIS FIBROMYALGIA DR ISHFAQ MEDICAL C CLASSROOM
	MODULE; MUSKULOSKELETAL				
	THEME; JOINT AND BONE PAIN				
	WEDNESDAY 08.03.23	APPROACH TO PATIENT WITH JOINT PAIN, CLASSIFICATION OF ARTHRITIS, SEROLOGIC TEST, D/D OF MONO, OLIGO AND POLYARTHRITIS DR ANWAR MEDICAL A CLASSROOM	MANAGEMENT AND COUNCELLING OF RHEUMATOID ARTHRITIS PATIENT DR ANWAR MEDICAL A CLASSROOM	BREAK K	OSTEOARTHRITIS, REACTIVE ARTHRITIS PSORIATIC ARTHRITIS DR ISHFAQ MEDICAL C CLASSROOM
	THURSDAY 09.03.23	MANAGEMENT, COMPLICATIONS, AND PROGNOSIS OF A PATIENT WITH SLE DR ANWAR MEDICAL A CLASSROOM	ACUTE GOUT AND GOUTY ARTHRITIS OSTEOPOROSIS DR ANWAR MEDICAL A CLASSROOM		VASCULITIS DR ANWAR MEDICAL A CLASSROOM
	THEME; MUSCLE WEAKNESS				
	FRIDAY 10.03.23	PROXIMAL MUSCLE WEAKNESS (DIAGNOTIC WORKUP) POLYMYOSITIS AND DERMATOMYOSITS DR ANWAR MEDICAL A CLASSROOM	INSTRUMENTS/ X-RAYS/ TOACS STATIONS DR SAID AMIN MEDICAL A CLASSROOM		SOMATIFORM DISORDERS (CLASSIFICATON AND DIAGNOSTIC CRITERIA OF PAIN DISORDERS COUNCELLING DR WAJID ALI

WEEK 4	DAY / DATE	SESSION 1* 0830 – 1030 HRS	SESSION 2* 1030 – 1230 HRS	BREAK	SESSION 3 1300 – 1500 HRS
	THEME; SKIN RASHES AND BURNS				
	MONDAY 13.03.23	CUTANEOUS MENIFESTATION OF SYSTEMIC DISEASES DR A RAHIM/NAHEED	DRUG RASH (CLASSIFICATION, DD MANAGEMENT OF EM/SJ/TEN DR A RAHIM/NAHEED		CHICKENPOX AND HERPEZ ZOOSTER VIRAL WARTS DR A RAHIM/NAHEED
	TUESDAY 14.03.23	ACUTE BACTERIAL INFECTIONS OF THE SKIN (IMPETIGO, FOLLICULITIS, FURUNCULOSIS, CARBUNCLES) DR A RAHIM/NAHEED	FUNGAL INFECTIONS (PITYRIASIS VERSICOLOR, DERMATOPHYTOSIS, CANDIDIASIS) DR A RAHIM/NAHEED		CHRONIC BACTERIAL INFECTIONS OF THE SKIN (CUTANEOUS TUBERCULOSIS, LEPROSY, SYPHILIS) DR A RAHIM/NAHEED
	WEDNESDAY 15.03.23	SEBACEOUS GLANDS DISEASES ACNE/ AUTOIMMUNE BLISTERING DISORDERS PEMPHIGUS VULGARIS BULLOUS PEMPHIGOID DR A RAHIM/NAHEED	ECZEMAS/ ERYTHRODERMA DR A RAHIM/NAHEED		INFLAMMATORY DERMATOSIS PSORIASIS LICHEN PLANUS SEBBHORIAC DERMATITIS ERYTHEMA NODOSUM URTICARIA DR A RAHIM/NAHEED
	MODULE; CARDIORESPIRATORY				
	THURSDAY 16.03.23	RHEUMATIC HEART DISEASE/AORTIC VALVE/MITRAL VALVE/INFECTIVE ENDOCARDITIS DR NOOR MEDICAL A CLASSROOM	RHEUMATIC HEART DISEASE/AORTIC VALVE/MITRAL VALVE/INFECTIVE ENDOCARDITIS DR NOOR MEDICAL A CLASSROOM		RHEUMATIC HEART DISEASE/AORTIC VALVE/MITRAL VALVE/INFECTIVE ENDOCARDITIS DR NOOR MEDICAL A CLASSROOM
	FRIDAY 17.03.23	SKILL LAB KGMC DR NOOR	SKILL LAB KGMC DR NOOR		SKILL LAB KGMC DR NOOR

WEEK 5	DAY / DATE	SESSION 1* 0830 – 1030 HRS	SESSION 2* 1030 – 1230 HRS	BREAK	SESSION 3 1300 – 1500 HRS
	MONDAY 20.03.23	ISCHEMIC HEART DISEASE/HYPERTENSION DR NOOR MEDICAL A CLASSROOM	ISCHEMIC HEART DISEASE/HYPERTENSION DR NOOR MEDICAL A CLASSROOM	BREAK	ISCHEMIC HEART DISEASE/HYPERTENSION DR NOOR MEDICAL A CLASSROOM
	TUESDAY 21.03.23	CONGESTIVE CARDIAC FAILURE/ARTERIAL DISEASES DR NOOR MEDICAL A CLASSROOM	CONGESTIVE CARDIAC FAILURE/ARTERIAL DISEASES DR NOOR MEDICAL A CLASSROOM		CONGESTIVE CARDIAC FAILURE/ARTERIAL DISEASES DR NOOR MEDICAL A CLASSROOM
	WEDNESDAY 22.03.23	ARRYTHMIAS DR NOOR MEDICAL A CLASSROOM	ARRYTHMIAS DR NOOR MEDICAL A CLASSROOM		ARRYTHMIAS DR NOOR MEDICAL A CLASSROOM
	THURSDAY 23.03.23	PAKISTAN DAY HOLIDAY			
	FRIDAY 24.03.23	VENOUS DISEASES/ACLS/BLS SKILL LAB KGMC DR NOOR	VENOUS DISEASES/ACLS/BLS SKILL LAB KGMC DR NOOR		VENOUS DISEASES/ACLS/BLS SKILL LAB KGMC DR NOOR

WEEK 1	DAY / DATE	SESSION 1* 0830 – 1030 HRS	SESSION 2* 1030 – 1230 HRS	BREAK	SESSION 3 1300 – 1500 HRS
	MODULE; PULMONOLOGY				
	MONDAY 27.03.23	DYSPNEA (APPROACH) BRONCHIAL ASTHMA DAGNOSIS, MANAGEMENT DR NAZIR SHAH MEDICAL B CLASSROOM	COPD DIAGNOSIS, MANAGEMENT DR NAZIR SHAH MEDICAL B CLASSROOM	BREAK	RESPIRATORY SYSTEM HISTORY TAKING AND EXAMINATION DR NAZIR SHAH MEDICAL B CLASSROOM
	TUESDAY 28.03.23	PNEUMONIAS CAP/ATYPICAL DR NAZIR SHAH MEDICAL B CLASSROOM	PULMONARY TUBERCULOSIS DR ASIF MEDICAL B CLASSROOM		BRONCHIECTASIS/LUNG ABSCESS DR NAZIR SHAH MEDICAL B CLASSROOM
	WEDNESDAY 29.03.23	INTERSTITIAL LUNG DISEASE PULMONARY INVOLVMENT IN SYSTEMIC ILLNESSES DR RAZA ULLAH MEDICAL B CLASSROOM	PLEURAL DISEASES PLEURAL EFFUSION/PNEUMOTHORAX DR NAZIR SHAH MEDICAL B CLASSROOM		PULMONARY EMBOLISM/DVT DR RAZA ULLAH MEDICAL B CLASSROOM
	THURSDAY 30.03.23	LUNG TUMORS PRIMARY AND SECONDRY DR ASIF MEDICAL B CLASSROOM	RESPIRATORY FAILURE ACUTE AND CHRONIC DR NAZIR SHAH MEDICAL B CLASSROOM		INTERPRETATION OF CHEST X RAY/INSTRUMENTS RELEVANT TO RESPIRATORY SYSTEM DR NAZIR SHAH MEDICAL B CLASSROOM
	MODULE ; RENAL				
FRIDAY 31.03.23	INTRODUCTION TO KIDNEY DISEASES AND INVESTIGATIONS Prof. Munib/Said Amin/Mazhar UI Haq Medical 'A' Classroom	GENERALIZED BODY SWELLING (Approach to generalized body swelling, Nephrotic Syndrome, Minimal Change Disease, Membranous Nephropathy) Prof. Munib/Said Amin/Mazhar UI Haq Medical 'A' Classroom		CLINICAL WORK History and Examination of Patient with generalized body swelling Prof. Munib/Said Amin/Mazhar UI Haq Medical 'A' Ward/ IKD	

WEEK 7	DAY / DATE	SESSION 1* 0830 – 1030 HRS	SESSION 2* 1030 – 1230 HRS	BREAK	SESSION 3 1300 – 1500 HRS
	MONDAY 03.04.23	HEMATURIA Approach to Hematuria Nephritic Syndrome (Post Streptococcal Glomerulonephritis) Prof. Munib/Said Amin/Mazhar UI Haq Medical 'A' Classroom	HEMATURIA Nephritic Syndrome (IgA Nephropathy) HSP, Glomerulonephritis in systemic diseases) Prof. Munib/Said Amin/Mazhar UI Haq Medical 'A' Classroom		CLINICAL WORK History And Examination of Patient with Hematuria and Oliguria Prof. Munib/Said Amin/Mazhar UI Haq Medical 'A' Ward/IKD
	TUESDAY 04.04.23	OLIGURIA Acute Renal Failure Causes, Pathophysiology, Investigations Prof. Munib/Said Amin/Mazhar UI Haq Medical 'A' Classroom	OLIGURIA Acute Renal Failure ATN, Rhabdomyolysis, Pigment Nephropathy Prof. Munib/Said Amin/Mazhar UI Haq Medical 'A' Classroom		CLINICAL WORK Hemodialysis Prof. Munib/Said Amin/Mazhar UI Haq Medical 'A' Ward/IKD
	WEDNESDAY 05.04.23	CHRONIC RENAL FAILURE AND COMPLICATIONS Prof. Munib/Said Amin/Mazhar UI Haq Medical 'A' Classroom	CHRONIC RENAL FAILURE AND COMPLICATIONS Prof. Munib/Said Amin/Mazhar UI Haq Medical 'A' Classroom		CLINICAL WORK Peritoneal Dialysis Prof. Munib/Said Amin/Mazhar UI Haq Institute of Kidney Diseases
	THURSDAY 06.04.23	RENAL COLIC Adult Polycystic/Renal stone Prof. Munib/Said Amin/Mazhar UI Haq Medical 'A' Classroom	GENITO-URINARY TRACT INFECTIONS Urinary Tract Infections/Pyelonephritis Prof. Munib/Said Amin/Mazhar UI Haq Medical 'A' Classroom		CLINICAL WORK Renal Transplant Prof. Munib/Said Amin/Mazhar UI Haq Institute of Kidney Diseases
	MODULE; GIT & HEPATOBILIARY				
	FRIDAY 07.04.23	UPPER GI BLEEDING DIAGNOSIS, MANAGEMENT, COMPLICATION, HISTORY TAKING OBSERVE ENDOSCOPY/NG TUBE INSERTION DR TARIQ MEHR MEDICAL C CLASSROOM	LIVER DISEASES INVESTIGATIONS LFT, ASCITIC FLUID TAP, HEP B/C COUNSELLING DR TARIQ MEHR MEDICAL C CLASSROOM		GIT EXAMINATION, INSTRUMENT RELEVANT TO GIT DR TARIQ MEHR MEDICAL C CLASSROOM

WEEK 8	DAY / DATE	SESSION 1* 0830 – 1030 HRS	SESSION 2* 1030 – 1230 HRS	BREAK	SESSION 3 1300 – 1500 HRS
	MONDAY 10.04.23	ACUTE FULMINANT HEPATIC FAILURE/ACUTE HEPATITIS HEPATIC ENCEPHALOPATHY DR TARIQ MEHR MEDICAL C CLASSROOM	CHRONIC HEPATITIS HEP B/C/D DR TARIQ MEHR MEDICAL C CLASSROOM		WILSON /HEMOCHROMATOSIS DR ADNAN MEDICAL C CLASSROOM
	TUESDAY 11.04.23	CHRONIC LIVER DISEASE CAUSES, COMPLICATIONS HISTORY TAKING, COUNSELLING DR TARIQ MEHR MEDICAL C CLASSROOM	PORTAL HYPERTENSION/ ASCITIS/ HEPATORENAL SYNDROME CAUSES AND MANAGEMENT DR TARIQ MEHR MEDICAL C CLASSROOM		PEPTIC ULCER DISEASE DR TARIQ MEHR MEDICAL C CLASSROOM
	WEDNESDAY 12.04.23	CHRONIC DIARRHEA MALABSORPTION/IBS CELIAC/SPRUE/ DR TARIQ MEHR MEDICAL C CLASSROOM	BLEEDING PER RECTUM IBD ULCERATIVE COLITIS/CROHNS DR SHER REHMAN MEDICAL C CLASSROOM		ACUTE INFECTIOUS DIARRHEA DR KHALID MEDICAL C CLASSROOM
	MODULE; INFECTIONS				
	THURSDAY 13.04.23	APPROACH TO PATIENT WITH FEVER HISTORY TAKING & EXAMINATION DR AMANULLAH MEDICAL C CLASSROOM	MALARIA/DENGUE FEVER DR AMANULLAH MEDICAL C CLASSROOM		ENTERIC FEVER/ BRUCELOSIS DR AMANULLAH MEDICAL C CLASSROOM
	FRIDAY 14.04.23	SARS/COVID 19 SEPSIS DR KHALID MEDICAL C CLASSROOM	LEPTOSPIROSIS TETANUS DR KHALID MEDICAL C CLASSROOM		SEPSIS DR KHALID MEDICAL C CLASSROOM

WEEK 9	DAY / DATE	SESSION 1* 0830 – 1030 HRS	SESSION 2* 1030 – 1230 HRS	BREAK	SESSION 3 1300 – 1500 HRS
	MONDAY 17.04.23	POISONING/ COMMON POISON DIAGNOSIS AND MANAGEMENT COUNSELLING DR MUFARAH MEDICAL B CLASSROOM	HYPERTHERMIA/HYPOTHERMIA DROWNING DR MUFARAH MEDICAL B CLASSROOM		ELECTRICAL INJURIES/HIGH ALTITUDE ILLNESSES DR MUFARAH MEDICAL B CLASSROOM
	TUESDAY 18.04.23	CHROMOSOMAL DISORDERS/ SINGLE GENE/SEX LINKED/MARFAN SYNDROME DR FAWAD MEDICAL A CLASSROOM	CHROMOSOMAL DISORDERS/ SINGLE GENE/SEX LINKED/MARFAN SYNDROME DR FAWAD MEDICAL A CLASSROOM		ANOREXIA NERVOSA/BULLEMLIA NERVOSA DR WAJID MEDICAL A CLASSROOM
	WEDNESDAY 19.04.23	HIV/AIDS HISTORYTAKING/EXAMINATION/ DIAGNOSIS DR FAWAD MEDICAL A CLASSROOM	HIV/AIDS COMPLICATIONS/MANAGEMENT/ COUNSELING DR FAWAD MEDICAL A CLASSROOM		CNS EXAMINATION CT/MRI INTERPRETATION DR ISHFAQ MEDICAL A CLASSROOM
	THURSDAY 20.04.23	EID UL FITR			
	FRIDAY 21.04.23	EID UL FITR			

WEEK 10	DAY / DATE	SESSION 1 0830 – 1030 HRS	SESSION 2 1030 – 1230 HRS	BREAK	SESSION 3 1300 – 1500 HRS
	MONDAY 24.04.23	EID UL FITR			
	MODULE ; ENDOCRINE				
	THEME : TALL / SHORT STATURE				
	TUESDAY 25.04.23	DISORDERS OF GROWTH HORMONE, PROLACTIN & OTHER PITUITARY HORMONES DR AH AMIR/HUSSAIN/TAHIR MEDICAL A DEMO ROOM	DISORDERS OF GROWTH HORMONE, PROLACTIN & OTHER PITUITARY HORMONES DR AH AMIR/HUSSAIN/TAHIR MEDICAL A DEMO ROOM		HISTORY TAKING & PHYSICAL EXAMINATION OF A PATIENT WITH GOITER. COUNSEL A PATIENT WITH GOITER. DR AH AMIR/HUSSAIN/TAHIR VENUE: ENDOCRINOLOGY UNIT
	THEME : NECK SWELLING / MUSCLE CRAMPS				
	WEDNESDAY 26.04.23	HYPERTHYROIDISM DR AH AMIR/HUSSAIN/TAHIR VENUE: MEDICAL A DEMO ROOM	HYPOTHYROIDISM DR AH AMIR/HUSSAIN/TAHIR VENUE: MEDICAL A DEMO ROOM		DISORDERS OF PARATHORMONE DR AH AMIR/HUSSAIN/TAHIR VENUE: MEDICAL A DEMO ROOM
	THEME : EXCESSIVE THIRST AND URINATION				
	THURSDAY 27.04.23	APPROACH TO POLYDIPSIA DIABETES INSIPIDUS DR AH AMIR/HUSSAIN/TAHIR VENUE: MEDICAL A DEMO ROOM	DIABETES MELLITUS DR AH AMIR/HUSSAIN/TAHIR VENUE: MEDICAL A DEMO ROOM		HISTORY & PHYSICAL EXAMINATION OF A PATIENT WITH TYPE 2 DM DR AH AMIR/HUSSAIN/TAHIR VENUE: ENDOCRINOLOGY UNIT
	FRIDAY 28.04.23	DIABETES MELLITUS DR AH AMIR/HUSSAIN/TAHIR VENUE: MEDICAL A DEMO ROOM	ACUTE AND CHRONIC COMPLICATIONS OF DIABETES MELLITUS DR AH AMIR/HUSSAIN/TAHIR VENUE: MEDICAL A DEMO ROOM		COUNSEL A NEWLY DIAGNOSED PATIENT OF DIABETES MELLITUS DR AH AMIR/HUSSAIN/TAHIR VENUE: ENDOCRINOLOGY UNIT

WEEK	DAY / DATE	SESSION 1 0830 – 1030 HRS	SESSION 2 1030 – 1230 HRS	BREAK	SESSION 3 1300 – 1500 HRS
	MONDAY 01.05.23	LABOUR DAY			
	TUESDAY 02.05.23	ACUTE AND CHRONIC COMPLICATIONS OF DIABETES MELLITUS/ HYPOGLYCEMIA DR AH AMIR/HUSSAIN/TAHIR VENUE: MEDICAL A DEMO ROOM	COUNSELLING ON INSULIN USE / FOOT CARE DR AH AMIR/HUSSAIN/TAHIR VENUE: ENDOCRINOLOGY UNIT		PSYCHOSOCIAL IMPACT OF DM STRATEGIES FOR PREVENTION OF DIABETES MELLITUS AND ITS COMPLICATIONS (SMALL GROUP DISCUSSION) DR AH AMIR/HUSSAIN/TAHIR VENUE: ENDOCRINOLOGY UNIT
	WEDNESDAY 03.05.23	RED FLAGS IN DM / MULTIDISCIPLINARY CARE AND REFERRAL IN DM DR AH AMIR/HUSSAIN/TAHIR VENUE: MEDICAL A DEMO ROOM	THEME : OBESITY / WEIGHT GAIN / WEIGHT LOSS		
			HISTORY & PHYSICAL EXAMINATION OF A PATIENT WITH CUSHING'S SYNDROME DR AH AMIR/HUSSAIN/TAHIR VENUE: ENDOCRINOLOGY UNIT		CUSHING SYNDROME DR AH AMIR/HUSSAIN/TAHIR VENUE: MEDICAL A DEMO ROOM
	THURSDAY 04.05.23	ADDISON'S DISEASE DR AH AMIR/HUSSAIN/TAHIR VENUE: MEDICAL A DEMO ROOM	STEROIDS REPLACEMENT. PROTOCOL OF WITHDRAWAL OF STEROIDS IN PATIENTS WITH STEROIDS ABUSE. DR AH AMIR/HUSSAIN/TAHIR VENUE: MEDICAL A DEMO ROOM		HISTORY AND PHYSICAL EXAMINATION OF A PATIENT WITH MORBID OBESITY COUNSELLING OF OBESE PATIENT DR AH AMIR/HUSSAIN/TAHIR VENUE: ENDOCRINOLOGY UNIT
	FRIDAY 05.05.23	APPROACH TO OBESITY AND ITS MANAGEMENT DR AH AMIR/HUSSAIN/TAHIR VENUE: MEDICAL A DEMO ROOM	THEME : MEDICAL DISORDERS IN PREGNANCY		
			GESTATIONAL DM AND OVERT DM IN PREGNANCY DR AH AMIR/HUSSAIN/TAHIR VENUE: MEDICAL A DEMO ROOM		HYPERTENSION IN PREGNANCY DR. FAWAD RAHIM VENUE: MEDICAL A DEMO ROOM

WEEK 12	DAY / DATE	SESSION 1* 0830 – 1030 HRS	SESSION 2* 1030 – 1230 HRS	BREAK	SESSION 3 1300 – 1500 HRS
	MODULE; NERVOUS SYSTEM				
	THEME; DISTURBED MOOD AND BEHAVIOUR				
	MONDAY 08.05.23	DEMENTIA CAUSES, HUNTINGTON/ PERFORM MINI MENTAL STATE COUNSEL A DEMENTIA PATIENT DR SHIRAZ JAMAL MEDICAL B CLASSROOM	PTSD/OSD AUTISM/SUBSTANCE ABUSE DR WAJID ALI MEDICAL A CLASSROOM		ANXIETY AND DEPRESSION DR WAJID ALI MEDICAL A CLASSROOM
	RIGHT-SIDED WEAKNESS AND INABILITY TO SPEAK			MOVEMENT DISORDER/TREMOR	
	TUESDAY 09.05.23	APPROACH TO PATIENT WITH HEMIPLEGIA AND APHASIA HISTORY TAKING AND EXAMINATION DR SHIRAZ JAMAL MEDICAL B CLASSROOM	STROKE AND OTHER FOCAL NEUROLOGIC DISORDER ISCHEMIC, HEMORRHAGIC, SAH DR SHIRAZ JAMAL MEDICAL B CLASSROOM		PARKINSON/CHOREA/DYSTONIAS DR SHIRAZ JAMAL/DR IMRAN MEDICAL B CLASSROOM
	WEDNESDAY 10.05.23	LOC AND FITS	LOWER LIMB WEAKNESS		HEADCHE
		EPILEPSY HISTORY TAKING, DIAGNOSTIC WORKUP, COUNSELLING DR AYAZ UL HAQ MEDICAL A CLASSROOM	DEMYLINATING DISORDERS/MULTIPLE SCLEROSIS DR AYAZ UL HAQ MEDICAL B CLASSROOM		HEADACHE/MIGRAINES AND RELATED ILLNESSES DR IMRAN MEDICAL B CLASSROOM
	THURSDAY 11.05.23	MENINGITIS (VIRAL, BACTERIAL, TUBERCULOS), CSF INTERPRETATION, COUNSELLING A TBM PATIENT DR SHIRAZ JAMAL/DR IMRAN MEDICAL B CLASSROOM	MOTOR NEURON DISEASE ENCEHALITIS DR SHIRAZ JAMAL/DR IMRAN MEDICAL B CLASSROOM		NEUROPATHIES/GULLAIN BARRE SYNDROME/ MYESTHENIA GRAVIS/DYSTROPHIES DR SHIRAZ JAMAL/DR IMRAN MEDICAL B CLASSROOM
	FRIDAY 12.05.23	ASSESSMENT			