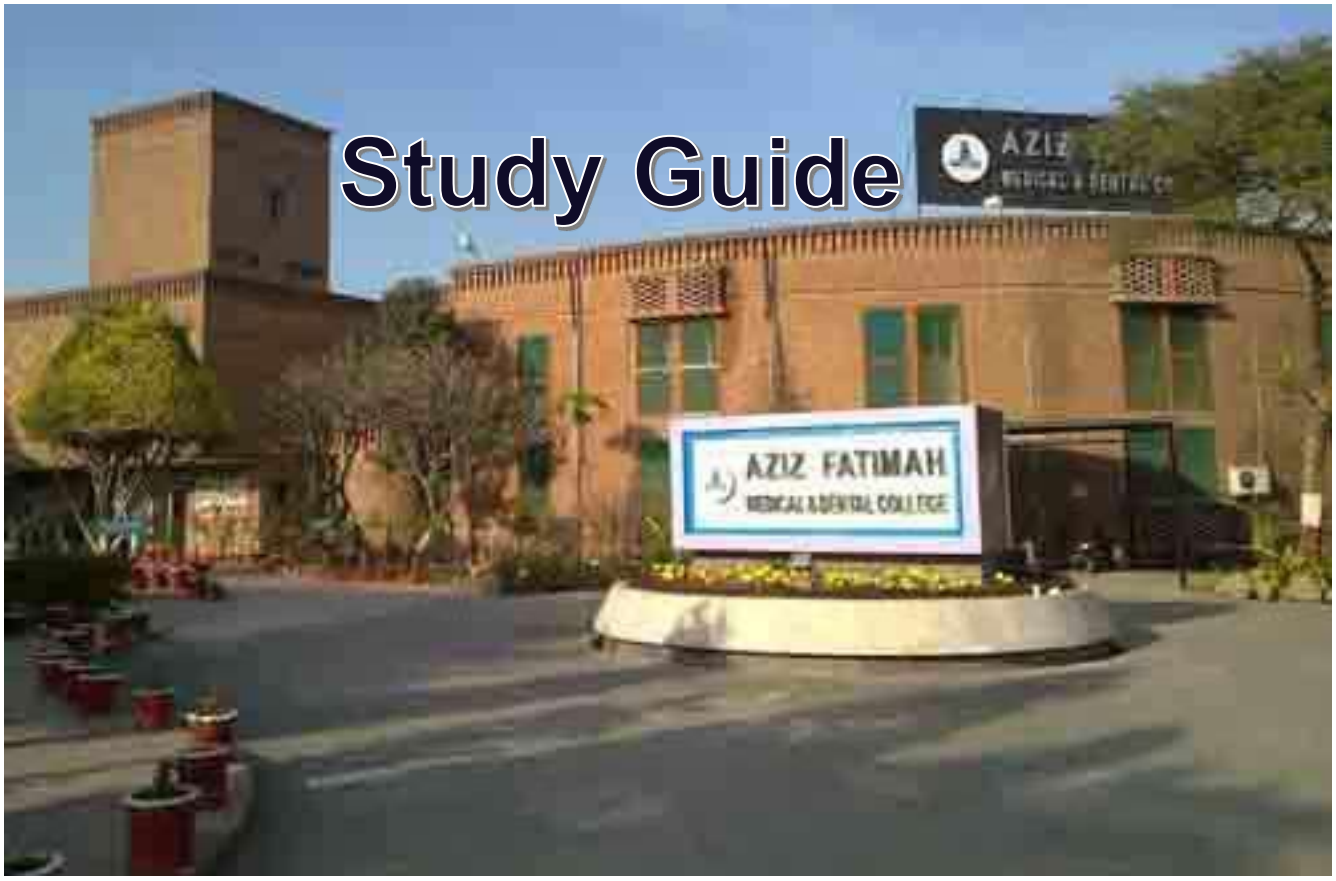

DEPARTMENT OF MEDICINE

Aziz Fatimah Hospital and Medical college

MEDICAL DEPARTMENT AT A GLANCE

The department of medicine is an important component of Aziz Fatimah Medical & Dental College, Faisalabad. The infra-structure consists of emergency ward, outdoor and indoor units, separate functional neurology, dermatology, psychiatry and cardiology units, ICU, HDU, endoscopy and Hemodialysis facilities. The ICU is well equipped and has modern equipment like ETT and echocardiography. Department of medicine is recognized by CPSP for postgraduate training in medicine. The laboratory and radiology departments provide a very good support in hospital with modern facilities. The department has 2 units and has 75 beds. It is providing support to sufficient number of patients as well as to medical students to help them learn to become good professional doctors.

The department follows a proficient and result oriented teaching and assessment plan which includes new and interesting teaching strategies. Learning is made easy by increasing interactive student teacher sessions. Students are evaluated in cognitive, psychomotor, and applied domains by conduction of regular formative and summative assessments like multiple choice questions, quizzes, written tests, assignments, presentations and OSPE and oral viva. At the end of each academic year a university standard send-up examination is conducted.

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Departmental Team

- **Prof Dr Ghulam Abbas Sheikh**
  Head of department
- **Prof Dr Masood Javed**
  Prof of medicine
- **Dr Rizwan Rasul Khan**
  Associate prof
- **Dr Nasir Mahmood**
  Associate prof
- **Dr Mubarak Ali Anjum**
  Assistant prof
- **Dr Muhammad Rizwan**
  Assistant Prof
- **Dr Muhammad Absar Alam**
  Assistant Prof
- **Dr Zunaira Iftikhar**
  Senior Registrar

MEDICINE
(Including Psychiatry, Dermatology)
CORE CURRICULA

Suggested List of Topics

Instead of starting with the traditional systemic approach a symptomatic approach in Medicine is the theme of these topics. The 'dynamic' list of topics is:

1. GENERAL
- **i. Oedema**
- **ii. Cyanosis**
- **iii. Fever**
- **iv. Headache**
- **v. Anorexia, Weight loss**

2. ALIMENTARY SYSTEM
- **vi. Melena, Hematemesis, Bleeding per rectum.**
- **vii. Abdominal Distension/Ascites**
- **viii. Jaundice.**
- **ix. Heart burn.**
- **x. Diarrhoea and Constipation**

3. GENITOURINARY SYSTEM
- **xi. All signs related to examination by the hands**
- **xii. Lumbar pain, Anuria, Oliguria, Hematuria**
- **xiii. Dysuria, Frequency of Micturition, Urgency, Pyuria**

4. RESPIRATORY SYSTEM
- **xiv. Chest pain**
- **xv. Cough/Expectoration/Sputum**

5. CARDIOVASCULAR SYSTEM
- **xvi. Palpitation, Breathlessness, chest pain**

6. CENTRAL NERVOUS SYSTEM
- **xvii. I.Q.**
- **xviii. Paralysis.**
- **xix. Speech disturbances**
- **xx. Movement disorders**

7. MUSCULOSKELETAL SYSTEM
- **xxi. Joint pain and Joint swelling**

8. SKIN
- **xxii. Eruption and rashes**
- **xxiii Itching, pigmentation and dyspigmentation**

9. BLOOD
- **xxiv. Bleeding tendency, bruising purpura**
- **xxv. Lymph Node, enlargement**

Any other topic given below may also be included: -

1. GENERAL

- **Pain**
- **Weight gain/Obesity**
- **Insomnia**
- **Facial swelling**

2. ALIMENTARY SYSTEM

- **Oral ulceration**
- **Dysphagia**
- **Nausea/Vomiting**
- **Indigestion/Flatulence**
- **Constipation**

3. GENITOURINARY SYSTEM

- **Urinary retention**
- **Nocturia**
- **Urinary incontinence**
- **Pelvic pain**
- **Menorrhagia**
- **Oligomenorrhea**
- **Genital ulceration**
- **Impotence**
- **Infertility**

4. RESPIRATORY SYSTEM

- **Breathlessness**
- **Wheezing**
- **Hemoptysis**
- **Orthopnea Paroxysmal nocturnal dyspnoea (PND)**
- **Pain in calf on walking**
- **Undue coldness, redness, or blueness of extremities**

5. CENTRAL NERVOUS SYSTEM

- **Behaviour**
- **Memory**
- **Confusional states**
- **Dementia**
- **Tremor**
- **Fasciculations**
- **Athetosis**
- **Chorea**
- **Gait abnormalities**
- **Convulsions/Fits**
- **Coma**
- **Syncope/Dizziness**
- **Vertigo**
- **Deafness**
- **Blindness**
- **Nystagmus examination**
- **Numbness, Tingling, Sensory loss**

- **Rigidity examination**

6. MUSCULOSKELETAL SYSTEM

- **Muscle cramps**
- **Muscle weakness**
- **Muscular wasting**

7. SKIN

- **Alopecia**

8. BLOOD

- **Lassitude**
- **Dyspnoea**
- **Infections**
- **Gum hypertrophy**

Lectures, Seminars, Tutorials

The respective teachers in the specialty will be responsible for teaching the suggested list of topics as under:

1. Cardiology

i. Rheumatic fever and infective endocarditis.
ii. Valvular heart diseases.
- **Mitral valve**
- **Aortic valve**

iii. Cyanotic/Acyanotic heart diseases.
- **Fallot's tetralogy**
- **Name of other diseases**

iv. Ischaemic heart disease.
- **Angina**
- **Myocardial infarction**

v. Heart failure.
- **Left Ventricular Failure.**
- **Congestive Cardiac Failure.**
- **Corpulmonale.**

vi. Congenital heart diseases (brief).
- **Atrial Septal Defect**
- **Ventricular Septal Defect**
- **Patent Ductus Arteriosus**

vii. Cardiomyopathies (brief).
viii.Pericardial diseases (brief).
- **Constrictive pericarditis**

- **Pericardial effusion**

ix. Atherosclerosis/Arteriosclerosis.
x. Hypertension.
xi. Peripheral vascular disease (brief).
xii. Symptoms and signs.
xiii. Investigations.
- **Electrocardiography, X-Ray chest, Echocardiography, Thallium scan, Stress testing, Holter and Angiography etc.**

2. Pulmonology

i. Pulmonary function tests.
ii. Imaging in pulmonary diseases/investigations.
iii. Asthma.
iv. Environmental lung diseases/Occupational (brief introduction).
- **Asbestosis**
- **Silicosis**
- **Bagasosis**
- **Pneumoconiosis**
- **Byssinosis**
- **Farmer's lung**

v. Pneumonia.
- **Community acquired**
- **Nosocomial**
- **Lobar/Broncho**

vi. Adult respiratory distress syndrome/Acute respiratory failure/ Mechanical ventilation.
vii. Bronchiectasis.
viii.Chronic obstructive airway diseases.
- **Chronic bronchitis**
- **Emphysema**

ix. Interstitial lung diseases.
x. Pulmonary thromboembolism/Acute Corpulmonale.
xi. Pleural effusion.
xii. Pneumothorax.
xiii. Carcinoma lung.
xiv. Tuberculosis.

3. Dermatology

i. Anatomy, Physiology, of Skin related to Clinical Dermatology.
ii. Infestations: Scabies, Pediculosis.
iii. Bacterial and Mycobacterial infections.
iv. Fungal and Viral diseases.
v. Acne vulgaris.
vi. Eczemas.
vii. Psoriasis and Lichen planus.
viii. Bullous disorders.
ix. Pigmentary disorders.
x. Disorders of nails.

xi. Disorders of hairs.
xii. Sexually transmitted diseases.

4. Psychiatry

i. Mood disorders.

- **Major depressive episodes**
- **Unipolar**
- **Bipolar**
- **Dysthymic**
- **Atypical**
- **Manic episodes**

ii. Anxiety disorders.

- **Acute anxiety states**
- **Panic disorders**
- **Generalized anxiety disorders**
- **Psychic Traumatic disorders**
- **Obsessive-compulsive disorders**
- **Phobic disorders**

iii. Schizophrenia.
iv. Alcoholism.
v. Addiction.
vi. Psychosexual disorders in Men and Women.

CLINICAL TEACHING (4TH YEAR)

The clinical methods of related systems are revised, repeated with case discussion on various common disease presentations and their management. The candidates will also observe/assist in various procedures in the ward.

1. Cardiology

Suggested list of topics for Clinical Training: -

- **Systemic hypertension.**
- **Valvular heart diseases.**
- **Congestive cardiac failure.**
- **Rheumatic fever and infective endocarditis.**
- **Pericardial diseases**
- **Angina pectoris, Myocardial Infarction**
- **Atrial Fibrillation**
- **Ventricular tachycardia**
- **Premature atrial and ventricular beats.**

Procedures:

- **ECG taking and basic reading i.e., Normal, Acute MI, Ischemia, complete heart block, APC, VPC, SVT, VT etc.**
- **X-ray chest reading – (Cardiology).**
- **Should observe, learn, and even may assist electro version therapy (DC shock) with indications, complications etc.**
- **Observe Echo and should recognize chambers and valves on echo print.**
- **Observe Pericardial effusion aspiration.**

- **Should learn Thrombolytic Therapy, Heparinisation/Anticoagulation therapy and control, Anti-platelet Therapy, Nitrates Infusion, Digitalization, Treatment of Acute Pulmonary Edema, O_2 therapy.**
- **Cardiac monitoring.**
- **Basics of ETT.**

2. Pulmonology

i. Suggested list of topics for Clinical Training:

- **Bronchial asthma**
- **Pleural effusion**
- **Pneumonia**
- **Pulmonary tuberculosis**
- **Chronic obstructive airway disease**
- **Type-I and type-II respiratory failure**

ii. Procedures:

A. Perform

- **Start O_2 therapy, indications, complications, intermittent etc.**

B. Observe

- **Learn pleural aspiration and assist**
- **Endotracheal suction, assist**
- **Pleural biopsy, observe**
- **FNA biopsy, observe**
- **Under water seas aspiration, observe/assist**
- **Management of Respiratory Failure**
- **Observe Bronchoscopy**
- **Chest X-ray reading of common Pulmononary diseases.**

Students should know how to start Oxygen Therapy

3. Dermatology

i. Should recognize lesions of:

- **Leprosy**
- **Syphilitic lesions (Chancre, Secondary Syphilis, Gumma)**
- **Tinea (Corporis, Capitis, Inguinale, Unguam)**
- **Candida (Oral, Skin)**
- **Scabies**
- **Lice**
- **Mosquito bite**
- **Acute & Chronic Eczema**
- **Lesions of Smallpox, Chicken Pox, Herpes Simplex, Herpes Zoster**
- **SLE.**
- **Psoriasis**
- **Lichen Planus**
- **Impetigo Contagiosum**
- **Moluscum Contagiosum**
- **Acne Vulgaris**
- **Seborrhea**
- **Exfoliative Dermatitis**

- **Skin Neoplasm like Squamous cell carcinoma, basal cell carcinoma and melanoma**
- **Leukoderma**
- **Pityriasis versicolor**
- **Alopecia and Hirsutism**
- **Sexually transmitted diseases**
- **Furnculosis, cellulitis**
- **Drug eruption**

ii. Procedures:

- **Scraping for fungus**
- **Use of Magnifying glass**
- **Observe skin biopsy**
- **Use of Wood's Lamp**

4. Psychiatry

i. Procedures:

Observe

- **Psychotherapy**
- **ECT**
- **EEG**

ii. Case discussion for diagnosis and management of common Psychiatric disorders like-

1. Anxiety
2. Depression

iii. Diagnose and refer:

1. Schizophrenia
2. Manic Depressive Psychosis
3. Phobias

<u>ALIMENTARY SYSTEM</u>

1. Esophagus.

- **Dysphagia with special reference to**
  - **a) CA Oesophagus**
  - **b) GERD**
  - **c) Achalasia**
  - **d) Candiasis of Oral Cavity and Oesophagus**

2. Peptic ulcer and Gastritis
3. Malabsorption syndromes.

- **Sprue Tropical**
- **Coeliac Disease**

4. Inflammatory bowel diseases.

- **Ulcerative colitis**
- **Crohn's disease**

5. Irritable bowel syndrome (IBS).
6. Ascites.
6. Jaundice.

- **Congenital hyperbilirubinaemia**
  - **Gilbert Syndrome**
  - **Dubin Johnson Syndrome**
  - **Rotor Syndromes**
- **Haemolytic**
- **Obstructive**
- **Hepatitis**
  - **Viral, acute and chronic**
  - **Toxic**
  - **Drugs**

7. **Auto Immune Hepatitis.**
8. **Cirrhosis of Liver.**
9. **Hepatic Encephalopathy.**
10. **Carcinoma liver and transplant.**
11. **Acute and chronic pancreatitis.**
12. **Upper GI Bleeding, Lower GI bleeding**
13. **Drugs Contraindicated in Liver Diseases**

KIDNEYS AND URINARY SYSTEM

1. **Acute renal failure. (Introduction**
2. **Chronic renal failure. to dialysis &**
3. **Nephrotic syndrome. Renal Transplant)**
4. **Nephritic syndrome.**
5. **Urinary tract infections.**
6. **Dialysis (detail).**
7. **Drugs and kidney (brief).**
   - **a) Causing Renal disease.**
     - **Analgesic nephropathy.**
     - **Lead, Uric acid, Hypercalcemia, Radiation & Hypersensitivity nephropathy.**
   - **b) Drugs contra indicated in Renal insufficiency and Drugs to be used with caution in Renal Disease.**
8. **Polycystic kidneys (brief).**
9. **Renal artery stenosis (brief).**
10. **Renal vein thrombosis (brief).**
11. **Hemolytic uremic syndrome (brief).**

NEUROLOGY AND CNS

1. **Investigations.**
2. **Epilepsy.**
3. **Cerebrovascular diseases (stroke).**
   - **Ischemic – Embolism/Infarction.**
   - **Haemorrhage – Intra-cerebral/Subarachnoid**
4. **Dementia and Alzheimer's disease.**
5. **Parkinson's disease and other movement disorders.**
6. **Motor neuron disease.**
7. **Multiple sclerosis.**
8. **Meningitis.**
   - **Bacterial.**
   - **Tuberculous.**
   - **Brain abscess.**

- **Viral meningitis and encephalitis.**

9. Cranial nerve disorders.

- **Transient mono-ocular blindness (Amaurosis fugax).**
- **Trigeminal neuralgia.**
- **Facial palsy (Bell's).**
- **Vertigo, nystagmus**

10. Spinal cord disorders.

- **Spinal cord compression, paraplegia, quadriplegia**
- **Myelitis.**
- **Spondylosis.**
- **Syringomyelia and Syringobulbia.**

11. Peripheral nerve disorders.

- **Peripheral polyneuropathy G.B. Syndrome**
- **Mononeuritis multiplex.**

12. Space Occupying Lesions of brain and spinal cord.
13. Myopathies, Myasthenia Gravis.

<u>METABOLIC DISORDERS</u>

(Definition, causes and some basic information).

1. Hyperlipidemia (brief).
2. Hemochromatosis (brief).

3. Porphyrias (brief).
4. Wilson's disease (brief).
5. Gout and Hypercalcemia
6. Storage diseases.

- **Lipid.**
  - **Leukodystrophies**
  - **Niemann Pick disease.**
  - **Gaucher's disease.**
- **Glycogen.**
  - **Fabry's disease.**

7. Hereditary Connective tissue disorders (Brief)

- **Osteogenesis imperfecta.**
- **Ehlers's Danlos syndrome.**
- **Chondrodysplasias.**
- **Marfan syndrome.**
- **Alport syndrome.**

8. Disorders of amino acid metabolism and storage (Brief)

- **Homocystinuria.**
- **Alkaptonuria.**
- **Hartnup disease.**

•Renal glycosuria.

DISEASES OF BONES AND JOINTS

1. Osteoarthritis
2. Osteoporosis
3. Rheumatoid Arthritis and related Arthropathies
4. Paget's disease of the bone.
5. Osteopetrosis (Marble bone disease).

INFECTIOUS DISEASES

A. Clinical syndromes.
   1. Sepsis and Septic shock, Meningococcemia
   2. Acute infectious diarrhoeal diseases and Bacterial food poisoning.
   3. Hospital acquired infections.

B. Common disease syndromes caused by the following bacteria and their drug therapy.
   1. Pneumococci (Streptococcus Pneumoniae).
   2. Staphylococci.
   3. Streptococci.
   4. Hemophiles influenzae.
   5. Shigella.
   6. Gonococci.
   7. Pseudomonas.

C. Following diseases in detail.
   1. Tetanus.
   2. Enteric fever/Salmonellosis.
   3. Cholera.
   4. Tuberculosis.
   5. Leprosy.
   6. Amoebiasis/Giardiasis/Trichomoniasis.
   7. Malaria.
   8. AIDS.
   9. Rabies.
   10. Infectious mononucleosis.

D. Helminthic infestations
   • Ascariasis
   • Hookworm
   • Whipworm (Trichuriasis)
   • Threadworm (Entrobiasis)
   • Taenia (tapeworm)

MULTI-SYSTEM IMMUNOLOGICAL DISEASES

• Systemic lupus erythematosis (SLE)
• Serum sickness
• Rheumatoid arthritis

1. Systemic sclerosis (scleroderma).
2. Mixed connective tissue diseases (brief).
3. Sjogren's syndrome (brief).
4. Ankylosing spondylitis.
5. Bechet's syndrome (brief).
6. Vasculitis syndromes (brief).

- **Anaphylactoid Purpura**
- **Polyarteritis nodosa**
- **Hpersensitivity vasculitis**
- **Wegner's granulomatosis**
- **Temporal arteritis**
- **Takayasu's arteritis**
- **Thromboangitis obliterans (Burger's disease)**

7. Sarcoidosis (brief).

HAEMATOLOGY

1. Anaemias.

- **Classification**
- **Iron deficiency**
- **Megaloblastic**
  - **B-12 deficiency**
  - **Folic acid deficiency**
- **Anaemia of chronic disorder**
- **Haemolytic anaemia**
  - **Hereditary**
  - **Acquired**
  - **Intra-corpuscular**
  - **Extra-corpuscular**
- **Aplastic anemia**

2. Haemoglobinopathies.

- **Sickle cell syndromes**
- **Thalassemia's**

3. Myeloproliferative diseases.

- **Chronic myeloid leukemia (CML)**
- **Polycythemia vera**
- **Myelofibrosis**
- **Essential thrombocytosis**

4. Leukemia's.

- **Acute**
- **Chronic**

5. Lymphomas

- **Non-Hodgkin's**
- **Hodgkin's**

6. Blood groups and blood transfusion.

7. Bone marrow transplantation.

8. Clotting disorders.

- **Thrombocytopenia**
  - **Decreased production.**
  - **Increased destruction.**
  - **Idiopathic thrombocytopenic purpura (ITP)**
- **Von Willebrand's disease.**
- **Vessel wall disorders.**
- **Disorders of coagulation.**

Hemophilia
Vitamin K deficiency.
Disseminated intravascular coagulation (DIC).

9. Anticoagulants Therapy
- **Heparin**
- **Oral (warfarin etc.)**
- **Antiplatelet drugs**

ENDOCRINOLOGY

1. Anterior pituitary.
- **Growth hormone disorders**
  - **Acromegaly**
  - **Gigantism.**
  - **Short stature**
  - **Infertility**

2. Diseases of hypothalamus and pituitary.
- **Empty Sella syndrome**
- **Diabetes insipidus**
- **Syndrome of inappropriate ADH secretion (SIADH).**

3. Thyroid gland.
- **Hyperthyroidism (thyrotoxicosis)**
- **Hypothyroidism (myxedema, cretinism)**
- **Interpretation of thyroid functions tests**

4. Adrenal Gland.
- **Cushing Syndrome**
- **Aldosteronism Primary/Secondary.**
- **Hirsutism.**
- **Addison's disease, Acute Addisonian crisis**
- **Pheochromocytoma**

5. Diabetes mellitus (detail) and Hypoglycemic states

6. Testes (brief).
- **Sexual precocity**
- **Heterosexual precocity**

7. Gynecomastia

8. Multiple endocrine neoplasia (brief).
- **Type I**
- **Type II**

CLINICAL TEACHING

Students come to wards for about 8 weeks for 4.5 hours for 6 times a week. They present and discuss cases; their clinical methods are checked and corrected. They write histories (10 in each ward), maintain clinical card of daily activity and perform day, night and casualty duties.
They observe, assist, and perform various procedures in the ward. The students come to the wards in the evening as well for self-learning, writing histories, preparing case presentations etc. Once a week a CPC is held where various units/departments present cases in turn. Case presentation is by students and discussion covered by consultants of the same unit. Topic/Subjects/Systems are distributed to the wards to streamline training.

Topics to be discussed in clinical teaching are:
1. CENTRAL NERVOUS SYSTEM

- **Cerebrovascular accident**
- **Paraplegia**
- **Polyneuropathy**
- **Muscular dystrophies or Motor neurone disease**
- **Parkinsonism**
- **Meningitis**
- **Tetanus**
- **Hemiplegia**
- **Facial Palsy**

2. ALIMENTARY SYSTEM

- **Acid peptic disease**
- **Tender Hepatomegaly, Hepatosplenomegaly, Jaundice**
- **Chronic liver disease**
- **Acute and Chronic diarrhoea**
- **Variceal bleeding and peptic ulcer bleeding.**
- **Abdominal Koch's infection**

3. RHEUMATOLOGY

- **Rheumatoid arthritis, Osteoarthritis**
- **Systemic Lupus Erythematosis**

4. CARDIOVASCULAR SYSTEM

- **Systemic hypertension**
- **Ischaemic Heart diseases**
- **Congestive cardiac failure**
- **Valvular diseases and Infective Endocarditis**

5. RESPIRATORY SYSTEM

- **Bronchial asthma**
- **Pleural effusion**
- **Pneumonia**
- **Hemoptysis**
- **Pulmonary tuberculosis**
- **Chronic obstructive airway disease**
- **Bronchogenic Carcinoma**

6. FEVERS

- **Malaria**
- **Typhoid fever**

7. ENDOCRINOLOGY

- **Diabetes mellitus**
- **Thyroid diseases**
- **Cushing's disease**

8. BLOOD

- **Anaemia**
- **Bleeding disorders**
- **Myeloproliferative or lymphoproliferative diseases**

9. KIDNEY

- **Nephrotic syndrome, Nephritic Syndrome**
- **Acute renal failure**
- **Chronic renal failure**

10. MISCELLANEOUS AND EMERGENCIES

- **Heat stroke**
- **Snake bite**
- **Electric shock**
- **Poisoning**

PROCEDURES TO BE PERFORMED/OBSERVED/ASSISTED:

Perform:

- **Injection I/V, I/M, S/C, intradermal**
- **Oxygen therapy**
- **Urinary catheterization – collection and samples of blood**

Observe:

- **Observe I/V lines/Fluids/Blood/Blood products, direct, branula, cutdown, CVP**
- **N/G passing and feeding**
- **Foley's catheter/Red rubber catheter, IOP record maintenance**
- **Endotracheal tube placement**
- **Endotracheal suction/maintenance of airway/nursing on side etc.**
- **Aspiration of fluids (Pleural, Pericardial, Peritoneal, Knee)**
- **Lumbar puncture**

- **O_2 therapy**
- **Nebulization**
- **ECG taking/reading basics**
- **X-ray chest reading**
- **Barium series**
- **I/V urograms**
- **Bone and joint X-ray reading for medical problems (Rheumatoid arthritis, Osteoarthritis, Collapse vertebra, Caries spine, Multiple myeloma, Cervical rib etc.)**
- **Preparing a patient for endoscopies, upper and lower GIT**
- **Bone marrow aspiration/Trephine**

Learning Objectives and Course Contents in Medicine

Learning Objectives	Contents	Teaching Hours	Teaching Strategies	Domain	Assessment methods
Students will be able to: • value Doctor-Patient's relationship • define, differentiate, diagnose diseases • demonstrate clinical skills required for history taking, physical care and laboratory tests, care for diagnosing a disease stepwise and participate in the management plan of a patient under doctor supervision • differentiate clinically (History Physical examination) one DD from other. • participate in patient education and counselling	**Introduction to General Medicine** Overview of Medicine as a discipline and subject Learning Clinical Approach 1. Doctor- Patient Relationship, Medical Ethics, Patient's safety. 2. Communication Skills 3. Behavioral Science Approach to common symptoms of disease: • General concept of Pain, chest pain and abdominal pain • Fever • Dyspnoea • Cough, expectoration, and Hemoptysis • Anorexia, Nausea, Vomiting, Weight loss and Weight gain • Hematemesis, Melaena, Haematochezia • Diarrhoea, Dysentery and Constipation • Oedema and Ascites • Jaundice • Syncope and Seizures • Fainting and Palpitations • Headache and Vertigo • Paralysis, movement disorders & disorders of gait • Coma and other disturbances of consciousness • Common urinary symptoms including anuria, oliguria, nocturia, polyuria, incontinence, and enuresis • Anaemia and Bleeding • Enlargement of Lymph nodes, Liver and Spleen	L- 24 hrs. 4 hrs(1x4) 20 hrs.(1x20)	Lecture SGD Bedside teaching Skill laboratory	C1, C2, C3, C4 P1, P2	MCQ, SEQ OSPE Viva Voce Demonstration of skills

Learning Objectives	Contents	Teaching Hours	Teaching Strategies	Domain	Assessment methods
The students will be able to: • Define nutrition and its importance • Describe normal requirement of nutrients for maintaining health at various periods of human life including healthy adult, pregnancy, infancy, childhood, and adolescence • classify nutritional disorders • define protein energy malnutrition and explain its associated factors, precipitating factors • list the clinical features, describe treatment of protein-energy malnutrition • list and recognize the clinical features, provide treatment, and advise for prevention and treatment of vitamin deficiency diseases • list and recognize the clinical features, provide treatment, and advise to be given for prevention and treatment of deficiency diseases and obesity.	**Clinical Medicine: Nutritional Factors in diseases** **CORE:** • Energy yielding nutrients • Protein energy malnutrition in adult • The vitamins- deficiency **Additional** • Nutrition of patients in hospital • Obesity ***Lectures to be covered on*** • Nutrients and vitamin deficiency and Obesity	L - 2 hrs.	Lecture SGD Bedside teaching Skill laboratory	C1, C2, C3, C4 P1, P2	MCQ, SEQ OSPE Viva Voce Demonstration of skills

The students will be able to:
 	
• list the clinical features, describe principles treatment, and advise for prevention of heat hyperpyrexia, heat syncope and heat exhaustion and hypothermia
• list the clinical features, describe principles of treatment, and advise for prevention of pollution related to:
  • Arsenic problem
  • Lead poisoning
  • Environmental radiation
	Climatic and
	
	environmental factors in
	
	disease CORE:
	
	• Disorders related to temperature
	• Disorders related to pollution
	• Drowning, electrocution and radiation hazards
	• Health hazards due to climate change
		L - 2 hrs.	Lecture
			
			SGD
			
			Bedside teaching
			
			Skill laboratory
				C1, C2, C3, C4
				
				P1, P2
					MCQ, SEQ
					
					OSPE
					
					Viva Voce
					
					Demonstration of skills

Learning Objective	Contents	Teaching Hours	Teaching Strategie	Domain	Assessment methods
The students will be able to: • diagnose infectious diseases. • explain principles of management of infection • describe general principles and rational use of antibiotics and other chemotherapy against infectious and parasitic diseases • list the clinical features, describe principles of treatment, and advise for prevention of common infectious and tropical diseases.	**Diseases due to infections** **CORE:** • Approach to infectious diseases-diagnostic and therapeutic principles • General principles and rational use of antibiotics • Enteric fever • Acute Diarrhoeal Disorders • Cholera & food poisoning • Amoebiasis, Giardiasis • Tetanus • Influenza and infectious mononucleosis • Malaria • Kala-azar • Filariasis • **Helminthic diseases** ▪ Nematodes ▪ Cestodes ▪ Trematodes • HIV and infections in the immunocompromised conditions • Rabies • Herpes simplex & herpes zoster • Chickenpox • Viral haemorrhagic fever: dengue • Anthrax • Brucellosis	L-17 hrs.	Lecture SGD Bedside teaching Skill laboratory	C1, C2, C3, C4 P1, P2	MCQ, SEQ OSPE Viva Voce Demonstration of skills

Learning Objectives	Contents	Teaching Hours	Teaching Strategies	Domain	Assessment
The student will be able to define, describe prevalence, aetiologic factors, pathophysiology, pathology, investigations, and principles of treatment of the common problems in hematology.	**Diseases of the blood CORE:** • Anemia • Leukemia • Lymphoma • Multiple myeloma • Bleeding disorders • Coagulation disorders **Additional:** • Transfusion medicine • Bone marrow transplantation	L - 9 hrs.	Lecture SGD Bedside teaching Skill laboratory	C1, C2, C3, C4 P1, P2	MCQ, SEQ OSPE Viva Voce Demonstration of skills

The students will be able to: • describe applied anatomy and physiology & explain lung function tests; • describe prevalence, aetiologic factors, pathophysiology, pathology, investigations, and principles of treatment of common respiratory diseases.	**Diseases of the respiratory system** **CORE:** • Applied anatomy and physiology • Investigations for respiratory diseases • Upper respiratory tract infections • Pneumonias • Tuberculosis: 1(Pulmonary) • Tuberculosis:2 (Extra-pulmonary) • Lung abscess and bronchiectasis • Diseases of the pleura: Pleurisy, Pleural effusion & empyema, Pneumothorax • Chronic Obstructive lung diseases and Corpulmonale • Bronchial asthma & pulmonary eosinophilia • Acute and chronic respiratory failure • Neoplasm of the lung **Additional:** • Common occupational lung disease with DPLD	L - 13 hrs.	Lecture SGD Bedside teaching Skill laboratory	C1, C2, C3, C4 P1, P2	MCQ, SEQ OSPE Viva Voce Demonstration of skills

Learning Objectives	Contents	Teaching Hours	Teaching Strategies	Domain	Assessment methods
The student will be able to: • describe applied anatomy, applied physiology and investigations for the diseases of cardiovascular system • describe aetiology, pathophysiology, clinical features, investigations, and treatment of Ischaemic heart disease • describe aetiology, pathophysiology, clinical features, investigations, and treatment of acute rheumatic fever & rheumatic heart diseases • describe aetiology, pathophysiology, clinical features, investigations, and treatment of valvular diseases • describe aetiology, pathophysiology, clinical features, investigations, treatment, and complications of infective endocarditis • describe aetiology, pathophysiology, clinical features, investigations, treatment, and complications of systemic hypertension • define and describe cardiac arrhythmias	**CVS** **CORE** • Applied anatomy and physiology and investigations • Ischaemic heart disease - ❑ Angina pectoris ❑ Myocardial infarction ❑ Sudden (cardiac) death • Rheumatic fever • Valvular diseases of heart ❑ Mitral stenosis & regurgitation ❑ Aortic stenosis & regurgitation ❑ Tricuspid & pulmonary valve diseases • Infective endocarditis • Hypertension • Cardiac arrhythmias (common) Sinus rhythms Atrial and ventricular arrythmias Anti-arrhythmic drugs • Heart block and pacemakers. • Heart failure – acute and chronic • Acute and chronic pericarditis, pericardial effusion, & cardiac tamponade **Additional:** • Peripheral arterial diseases • Common congenital heart diseases in child and adult • Venous Thrombosis and Pulmonary Thromboembolism	L - 12 hrs.	Lecture SGD Bedside teaching Skill laboratory	C1, C2, C3, C4 P1, P2	MCQ, SEQ OSPE Viva Voce Demonstration of skills

Learning Objectives	Contents	Teaching Hours	Teaching Strategies	Domain	Assessment methods
• describe congenital heart diseases • define, describe patho-physiology, types, clinical features, investigation, and treatment of heart failure • define, describe patho-physiology, causes, clinical features, and treatment of acute circulatory failure • describe aetiology, pathophysiology, clinical features, investigations, treatment and complications of diseases of the pericardium	Congenital heart diseases ▪ ASD ▪ VSD ▪ PDA ▪ TOF ▪ Co arctation of Aorta Acute circulatory failure Diseases of pericardium ▪ Acute pericarditis ▪ P ericardial effusion Cardiac tamponade Cardiomyopathies		Lecture SGD Bedside teaching Skill laboratory	C1, C2, C3, C4 P1, P2	MCQ, SEQ OSPE Viva Voce Demonstration of skills

The student will be able to • define, describe the aetiology, pathophysiology, investigation, complications, and management. of peptic ulcer disease • define, describe the aetiology, pathophysiology, investigation, and management. of gastrointestinal haemorrhage • describe Investigations of the alimentary tract. • define, describe the causes, pathophysiology, investigation, and management. of gastro-Oesophageal reflux disease • define, describe the aetiology, pathophysiology, investigation, and management of dysphagia. • define & describe the aetiology pathophysiology, investigation, and management of malabsorption disorders • define & describe the aetiology, pathophysiology, investigation, and management of Inflammatory bowel disease - Crohn's disease, Ulcerative colitis. • define & describe the aetiology, pathophysiology, investigation, and management of acute pancreatitis • define & describe the aetiology, pathophysiology, investigation, and management of functional disorders of GIT • define & describe the aetiology, pathophysiology, investigation, complications, and management of acute and chronic liver disease	**Diseases of the Gastro-intestinal and Hepato-biliary system**s **CORE:** • Applied physiology and investigation of the alimentary tract. • Stomatitis and Mouth Ulcers • Peptic Ulcer disease and non-ulcer dyspepsia • Malabsorption syndrome • Irritable bowel syndrome • Inflammatory bowel disease • Acute viral hepatitis • Chronic Liver Diseases and its complications • Acute and chronic Pancreatitis **Additional:** • Dysphagia • Hepatotoxicity of drugs • Carcinoma of stomach/colon, Hepatocellular carcinoma	L – 12 hrs.	Lecture SGD Bedside teaching Skill laboratory	C1, C2, C3, C4 P1, P2	MCQ, SEQ OSPE Viva Voce Demonstration of skills

Learning Objectives	Contents	Teaching Hours	Teaching Strategies	Domain	Assessment methods
The students will be able to • define, diagnose, investigate, and treat different nephrological diseases • make differential diagnosis • mention basic/ initial treatment • name the conditions for referral & follow-up care • describe preventive measures • explain the reasons for gender differences & issues, e.g., UTI in males & females • describe the special dietary modulations & Nutrition • outline of RRT • mention indications for RRT • list the special renal medicines	**Nephrology & Urinary System** **CORE:** • Nephritic & Nephrotic Illness • UTI/ Pyelonephritis • ARF/Acute Kidney Injury • Chronic Kidney Disease • Renal manifestations of systemic diseases **Additional:** • Adult polycystic kidney disease	5 hrs.	Lecture SGD Bedside teaching Skill laboratory	C1, C2, C3, C4 P1, P2	MCQ, SEQ OSPE Viva Voce Demonstration of skills

tudent should be able to: • identify syndromes of CNS & PNS diseases • identify signs of CNS & PNS diseases • identify clinical syndromes of brain, spinal cord & peripheral nerve. disorders • plan investigations in neurological disease • identify Vascular neuralgic syndromes. • define where? & What? is the lesion • describe the risk factors for CVD's • perform acute management & Subsequent management. • identify complicating, management • value the importance of rehabilitation / return of function • identify clinical syndrome of meningeal infection • plan immediate and subsequent investigations including confirmation of diagnosis. • plan investigations in a suspected V. encephalitis. • describe general management of patient with fever, coma & convulsion. • state the specific Diagnosis of encephalitis & treatment • identify acute & chronic syndromes of P.N.S. • identify emergencies and manage • make D/D • describe management & Rehabilitation	**Neurology** • Concept of neurological diagnosis including investigations • Cerebrovascular diseases (I &II) • Headache • Meningitis: viral, bacterial, and tuberculous • Encephalitis • Peripheral neuropathy • Disorder of cranial nerves	13 hrs.	Lecture SGD Bedside teaching Skill laboratory	C1, C2, C3, C4 P1, P2	MCQ, SEQ OSPE Viva Voce Demonstration of skills

Learning Objectives	Contents	Teaching Hours	Teaching Strategies	Domain	Assessment methods
Student should be able to: • identify a seizure & elicit history from an eyewitness. • identify common clinical syndrome of Epilepsy • plan management • advise to the patient and attendants. • identify syndrome of EP system • mention aetiologic agent(s) • plan investigations • decide for initial and subsequent treatment. • provide explanation, motivation and rehabilitation advises to patient. • identify common syndromes of motor system disease. • plan investigations • identify primary muscle diseases and differentiate from primary neurologic diseases • identify clinical syndrome of Neuromuscular junctional defect. • plan investigations in a suspected muscle disease • provide treatment for myasthenia gravis.	• Epilepsy • Extrapyramidal diseases • Common compressive and noncompressive spinal cord syndromes • Myasthenia gravis • Myopathies and skeletal muscle disease	13 hrs. (Total)	Lecture SGD Bedside teaching Skill laboratory	C1, C2, C3, C4 P1, P2	MCQ, SEQ OSPE Viva Voce Demonstration of skills

Learning Objectives	Contents	Teaching Hours	Teaching Strategies	Domain	Assessment methods
The students will be able to: • describe causes, clinical features and management of fluid and electrolyte disorders including ❑ Hyponatremia ❑ Hypernatremia ❑ Hyperkalemia ❑ Hypokalemia • describe causes, clinical features, and management of disorders of acid-base balance in particular relevance to vomiting, diagnoses of uremia and diabetic ketoacidosis.	**Water and electrolytes and acid-base homeostasis** CORE: • Disorders due to Sodium and Potassium imbalance • Disorders of acid-base balance	L – 2 hrs.	Lecture SGD Bedside teaching Skill laboratory	C1, C2, C3, C4 P1, P2	MCQ, SEQ OSPE Viva Voce Demonstration of skills
The student will be able to: • describe applied anatomy, physiology, and investigations of endocrine disorders • describe epidemiology, aetiology, pathophysiology, clinical features, complications, investigation, treatment, and management of diabetes mellitus • describe epidemiology, aetiology, pathophysiology, clinical features, complications, investigation, treatment, and management of disorders of thyroid including ❑ Hyperthyroidism ❑ Hypothyroidism ❑ Solitary thyroid nodule ❑ Parathyroid disorders and calcium metabolism • describe epidemiology, aetiology, pathophysiology, clinical features, complications, investigation, treatment and management disorders of adrenal gland including ❑ Cushing's syndrome ❑ Addison's disease • describe epidemiology, aetiology, pathophysiology, clinical features, complications, investigation, treatment and management of disorders of hypothalamus and pituitary gland including ❑ Acromegaly, Sheehan's syndrome	**Endocrine and Metabolic diseases** CORE: • Diabetes mellitus (I & II) • Thyrotoxicosis • Hypothyroidism. • Cushing's syndrome and • Hypo- and • Calcium and Vitamin –D related disorders ***Additional*** • Acromegaly and Sheehan's syndrome	L – 6 hrs.	Lecture SGD Bedside teaching Skill laboratory	C1, C2, C3, C4 P1, P2	MCQ, SEQ OSPE Viva Voce Demonstration of skills

Learning Objectives	Cont	Teaching Hours	Teaching Strategies	Domain	Assessment methods
The students will be able to: • classify diseases of the connective tissues, joints, and bones • mention the epidemiology, aetiology, pathology, clinical features, complications, investigation, treatment, and management of Inflammatory joint diseases. • mention epidemiology, aetiology, pathogenesis, clinical features, investigation, diagnosis, treatment and management of osteoarthritis. • mention the epidemiology, aetiology, pathogenesis, clinical features, investigation, diagnosis, treatment and management of connective tissue diseases including systemic lupus erythematosus & systemic sclerosis • mention the epidemiology, aetiology, clinical features, investigation, diagnosis, treatment and management of gout • mention the causes, clinical features, investigations, treatment and management of back disorders including low back pain & spondylosis	**Connective tissue Disorder** **CORE:** • Rheumatoid arthritis • Degenerative joint diseases • Gout • Ankylosing spondylitis and other spondyloarthropathies. • The collagen vascular diseases including systemic lupus erythematosus, systemic sclerosis • Osteoporosis	L - 6 hrs.	Lecture SGD Bedside teaching Skill laboratory	C1, C2, C3, C4 P1, P2	MCQ, SEQ OSPE Viva Voce Demonstration of skills

Learning Objectives	Contents	Teaching Hours	Teaching Strategi	Domain	Assessment methods
The students will be able to: • take history of elderly patients • perform physical examination • perform mental status examination • evaluate functional capacity of the elderly • interpret the report of laboratory examinations & imaging • state the general principles of treating the elderly.	**Geriatric medicine CORE:** • General Principles of treating the elderly • Health problems of the elderly • Four Geriatric Giants – Acute Confusional State, Falls, Incontinence and Frailty. • Healthy aging • Rehabilitation and Physical medicine.	L – 3 hrs.	Lecture SGD Bedside teaching Skill laboratory	C1, C2, C3, C4 P1, P2	MCQ, SEQ OSPE Viva Voce Demonstration of skills
The students will be able to describe medical ❑ Genes and chromosomes ❑ Mutation ❑ Genes in individual ❑ Genes in families ❑ Disorders of multifactorial ❑ Chromosomal aberrations The student will be able to describe the genetics including ❑ Cyto genetics ❑ Biochemical genetics ❑ Molecular genetics ❑ Prenatal diagnosis ❑ Neoplasia: chromosomal & DNA analysis	**Genetic Disorders CORE:** • General concept of genetic diseases and management of genetic disorder • Single gene disorder • Clinical aspects of medical biotechnology • Chromosomal disorder (Down, Turner, Klinefelter's)	L -2 hrs.	Lecture SGD Bedside teaching Skill laboratory	C1, C2, C3, C4 **P1, P2**	MCQ, SEQ OSPE Viva Voce Demonstration of skills

Learning Objectives	Contents	Teaching Hours	Teaching Strategies	Domain	Assessment methods
The students will be able to describe basic facts of immunology including Immunoglobulins & antibodies Cellular immunity Autoimmunity The students will be able to describe aetiology, pathogenesis, pathology, clinical features, investigations, and treatment of • Immunologic deficiency diseases • Autoimmune disease • Allergic disease	**Immunologic disorders CORE:** • Immunologic deficiency diseases • Auto immunity, Allergy & hypersensitivity, and immunogenetics & transplantation • Immunosuppressive drugs	2 hrs.	Lecture SGD Bedside teaching Skill laboratory	C1, C2, C3, C4 P1, P2	MCQ, SEQ OSPE Viva Voce Demonstration of skills
The students will be able to describe: • prevention and early detection of common cancers • primary cancer treatment including ❑ Surgery and radiation ❑ Chemotherapy ❑ Adjuvant therapy • evaluation of tumor response including ❑ Tumour size ❑ Tumour markers ❑ General wellbeing and performance status • role of nuclear medicine in diagnosis and treatment in Medical conditions.	**Oncology, Principles CORE:** • General principles of diagnosis and management of neoplastic diseases • Palliative care	2 hr. 1hr			

Learning Objectives	Contents	Teaching Hours	Teaching Strategies	Domain	Assessment methods
The students will be able to describe: • initial evaluation of the patient with poisoning or drug overdose • general principles of management including ❑ Care of unconscious patient ❑ Respiratory support ❑ Cardiovascular support ❑ Special problems such as hypothermia, hypertension, arrhythmia, convulsions • management of common specific poisonings including ❑ organophosphorus compound	**Poisoning and drug overdose** **CORE:** • Initial evaluation of the patient with poisoning or drug overdose and general principles of management • Treatment of common specific poisonings a) Organophosphorus compounds b) Sedatives and Hypnotics c) Household Poisons • Venomous stings, insect bites, poisonous snakes and insects. **Additional:** • Acute and chronic effects of alcohol and Methanol and their management • Copper sulphate, Paracetamol, Kerosene etc	6 hrs.	Lecture SGD Bedside teaching Skill laboratory	C1, C2, C3, C4 P1, P2	MCQ, SEQ OSPE Viva Voce Demonstration of skills
The students will be able to describe: • general principles of intensive care • acute disturbances of hemodynamic function including Shock • aetiology, pathogenesis, clinical features, investigations, and management in acute medical emergency	**Emergency medicine** **CORE:** • Cardiac Arrest – ALS, BLS • Acute pulmonary oedema and severe acute asthma • Hypertensive emergencies • Diabetic ketoacidosis and hypoglycemia • Status epileptics • Acute myocardial infarction, shock, and anaphylaxis • Upper G.I bleeding and hepatic coma • Diagnosis and management of comatose patient **Environmental disease & heat illness** **Global warming & Health hazards**	6 hrs.	Lecture SGD Bedside teaching Skill laboratory	C1, C2, C3, C4 P1, P2	MCQ, SEQ OSPE Viva Voce Demonstration of skills

Learning Objectives	Contents	Teaching Hours	Teaching Strategie	Domain	Assessment methods
The students should be able to : • use a humane approach during history taking and performing a physical examination • examine all organs/systems in adults and children including neonates • arrive at a logical working diagnosis after clinical examination (General & Systemic) • order appropriate ❑ socio-economic status ❑ institutional / government guidelines • recognise situations which call for urgent or early treatment at secondary and tertiary centers and make a prompt referral of such patients after giving first aid • identify irrational prescriptions and explain their irrationality • interpret serological • demonstrate interpersonal and physician in order to discuss and family • write a complete case record with all necessary details	**Clinical Methods in the Practice of Medicine** **CORE:** • History Taking • Physical Examination • Investigations • Diagnosis • Principles of treatment • Interpersonal skills • Communication skills • Doctor - Patient relationship • Ethical Behaviour • Patient's Safety • Referral services • Medical Certificate • Common Clinical Procedures ❑ Injections ❑ IV infusion and transfusion ❑ FIRST AID ❑ Intubation ❑ CPR ❑ Hyperpyrexia ❑ ECG ❑ Skin Sensitivity Test	Ward Rotation: 3rd year: 10 weeks 4th Year: 7 weeks 5th Year:	Bedside teaching Skill laboratory	C1, C2, C3, C4 P1, P2	OSPE Viva Voce Long Case Demonstration of skill

Learning Objectives	Contents	Teaching Hours	Teaching Strategies	Domain	Assessment methods
• write a proper discharge summary with all relevant information • write an appropriate referral note to secondary or tertiary centers or to the physicians with all necessary details • assess the need for and issue proper medical certificates to patients for various purposes • record and interpret an ECG and be able to identify common abnormalities like myocardial infarction, arrhythmias • start I.V. line and infusion • perform venous cut down • give intradermal / SC / IM / IV / injections • insert and manage a C.V.P. line • conduct CPR (Cardiopulmonary resuscitation) and first aid in newborn/ children including endotracheal intubation.	**CORE** • Lumbar puncture • Bone marrow aspiration • Thoracocentesis / paracentesis • Oxygen Therapy • Oropharyngeal suction • Shock management • Bronchodilator inhalation technique, nebulization • Urethral Catheterization **Additional** • Administration of Enema • Postural drainage • Dialysis • Electro convulsive therapy	Ward Rotation :3rd year: 10 weeks 4th Year: 7 weeks 5th Year: 9 weeks	Bedside teaching Skill laboratory	C1, C2, C3, C4 **P1, P2**	OSPE Viva Voce Long Case Demonstration of skill

Attitude: The student should: 1. develop a proper attitude towards patients, colleagues, and the staff. 2. demonstrate empathy and humane approach towards patients, relatives, and attendants. 3. maintain ethical behavior in all aspects of medical practice. 4. develop a holistic attitude towards medicine taking in social and cultural factors in each case 5. obtain informed consent for any examination / procedure 6. appreciate patients right to privacy 7. adopt universal precautions for self-protection against HIV and hepatitis and counsel patients 8. be motivated to perform skin sensitivity tests for drugs and serum	Attitudes to be supervised by clinical teachers.	Ward Rotation :3rd year: 10 weeks 4th Year: 7 weeks 5th Year: 9 weeks	Bedside teaching	Receiving Responding Valuing Organization Characterization	OSPE Peer review 360* review

Learning Methodologies

The department utilizes the following modes of learning transfer to enhance students' active learning and knowledge retention.

1. **Large Class Learning**
2. **Small group learning**
3. **Conference /Webinars/ Workshop**
4. **Photographs, Slides and Video learning**
5. **Practical exercises.**
6. **Self-Learning opportunities**
7. **Student Assignments, Presentations, and Projects**

Assessment Methodologies

1. **Written paper comprising of**
   - **MCQS**
   - **SEQS**
2. **OSCE**
3. **Long case**
4. **Short cases**

TIME TABLE

AZIZ FATIMAH MEDICAL & DENTAL COLLEGE FAISALABAD

TIME TABLE 3rd YEAR MBBS CLASS SESSION 2022-2023 (Physical Classes)

DAY	1	2	3	4	5	6	7	8	9
	08:00 am - 08:45 am	08:45 am - 09:30 am	09:30 am - 10:15 am	10:15 am - 11:00 am	11:00 am - 11:45 am	11:45 pm - 12:00 pm	12:00 pm - 13:00 pm	13:00 pm - 13:45 pm	13:45 pm - 14:00 pm
MONDAY	Class Test		Practical A: Pathology B: Pharmacology C:Topic: Teacher: Dr. Asma		Pathology Lecture T	Break	Forensic Medicine	General Surgery	Namaz Break
TUESDAY	BS	BS	Practical B: Pathology C: Pharmacology A: Forensic Medicine		Pharamcology Lecture	Break	Pathology Lecture	Forensic Medicine Lecture	Namaz Break
WEDNESDAY	Pharamcology Lecture	Pathology Lecture T	Practical C: Pathology A: Pharmacology B: Forensic Medicine		Pathology Lecture	Break	12:00 pm - 14:00 pm Skill Lab Batch (A) ENT AFH Ward Other Batches (B,C, D, E, F, G, H) AFH		
THURSDAY	Pharamcology Test ANS		Tutorial A: Pathology B: Pharmacology C: Forensic Medicine		Pathology Lecture	Break	12:00 pm - 14:00 pm Skill Lab Batch (A) Ward Other Batches (B,C, D, E, F, G, H) AFH		
FRIDAY	Medicine Lecture	Pathology Lecture T	Tutorial B: Pathology C: Pharmacology A: Forensic Medicine		11:00-11:45 am SDL	11:45 am -13:00 pm Case Based Discussion (Pharmacology)			Jumma Prayers
SATURDAY	EYE Lecture	Forensic Medicine Lecture	C: Pathology A: Pharmacology B: Forensic Medicine		Pharamcology Lecture	Break	12:00 pm - 14:00 pm Skill Lab Batch (A) AFH Ward Other Batches (B,C, D, E, F, G, H) AFH		

Dr Ayesha Sadiq
Assistant Professor DME

Prof. Dr Muhammad Saeed
Principal AFMDC

Aziz Fatimah Medical & Dental College Faisalabad
Department of Medical Education

Date: 09th February 2023

Group Wise Distribution of 3rd Year MBBS for Ward Rotation for Session 2022-2023

Groups

Group A
18094, 18112
20001-20012

Group B
19007
20013 - 20025

Group C
19014
20026 - 20038

Group D
19038
20039 - 20052

Group E
19059
20053 - 20064

Group F
19088
20065-20076

Group G
19098
20077 - 20089

Group H
19100
20090 - 20109

Clinical Ward Rotation	Morning	Evening
1st Rotation	13th February - 11th March 2023	20th February - 04th March 2023
2nd Rotation	13th March - 08th April 2023	20th March - 01st April 2023
3rd Rotation	10th April - 06th May 2023	17th April -29th April 2023
4th Rotation	08th May - 03rd June 2023	15th May - 27th May 2023
5th Rotation	05th June -05th August 2023 (including Summer Vacations)	17th July -29th July 2023
6th Rotation	07th August -02nd September 2023	14th August -26th August 2023
7th Rotation	04th September - 30th September 2023	11th September - 23rd September 2023
8th Rotation	02nd October - 28th October 2023	09th October - 21st October 2023

Note: No change in any group is acceptable. Strict Compliance is required.

Dr Ayesha Sadiq
HOD/Assistant Professor DME

Prof. Dr Muhammad Saeed
Principal AFMDC

CC: Concerned HODs, SA, TMC, MS AFH, DGM Admin & HR

Aziz Fatimah Medical & Dental College Faisalabad
Department of Medical Education

Ref. No: DME/1704 - 23 Date: 10th February 2023

Group Wise Distribution of 3rd Year MBBS for Skill Ward Rotation for Session 2022-2023

	Subject	Group	Ward	Dates
Rotation 1	Sugery	E	Skill lab	13th February - 18th February 2023
	Medicine	A	Skill lab	20th February -25th February 2023
	ENT	H	Skill lab	27th February -04th March 2023
Rotation 2	Sugery	D	Skill lab	13th March -18th March 2023
	Medicine	H	Skill lab	20th March -25th March 2023
	ENT	G	Skill lab	27th March -01st April 2023
Rotation 3	Sugery	C	Skill lab	10th April -15th April 2023
	Medicine	G	Skill lab	17th April - 22nd April 2023
	ENT	F	Skill lab	24th April - 29th April 2023
Rotation 4	Sugery	B	Skill lab	08th May -13th May 2023
	Medicine	F	Skill lab	15th May -20th May 2023
	ENT	E	Skill lab	22nd May -27th May 2023
Rotation 5	Sugery	A	Skill lab	05th June -10th June 2023
	Medicine	E	Skill lab	17th July -22nd July 2023
	ENT	D	Skill lab	24th July - 29July 2023
Rotation 6	Sugery	H	Skill lab	07th August -12th August 2023
	Medicine	D	Skill lab	14th August -19th August 2023
	ENT	C	Skill lab	21st August - 26th August 2023
Rotation 7	Sugery	G	Skill lab	4th September - 09th September 2023
	Medicine	C	Skill lab	11th September - 16th September 2023
	ENT	B	Skill lab	18th September -23rd September 2023
Rotation 8	Sugery	F	Skill lab	02nd October-07th October 2023
	Medicine	B	Skill lab	09th October -14th October 2023
	ENT	A	Skill lab	16th October -21st October 2023

Dr Ayesha Sadiq
HOD/Assistant Professor DME

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Aziz Fatimah Medical & Dental College Faisalabad

Department of Medical Education

Ref. No. DME 1712-23 Date: 24th March 2023

4th Year MBBS Clinical Ward Rotation

S.No	Clinical Rotation	Morning	Evening	Total Duration	Credit Hours
1	**Medicine**	4 Weeks	2 Weeks	6 Weeks	40+18=58
2	**Surgery**	4 Weeks	2 Weeks	6 Weeks	40+18=58
3	**ENT**	4 Weeks	2 Weeks	6 Weeks	40+18=58
4	**Eye**	4 Weeks	2 Weeks	6 Weeks	40+18=58
5	**Surgical Specialities 1:**				20+9= 29 Hours in each speciality
	Neurosurgery /Anasthesia	2 Weeks in each speciality= 4 weeks (First two weeks in Neurosurgery& Last two weeks in Anasthesia)	1 Week in each speciality= 2 Weeks	6 Weeks	
6	**Surgical Specialities 2:**				
	Orthopedics /Urology	2 Weeks in each speciality= 4 weeks (First two weeks in Orthopedics & Last two weeks in Urology)	1 Week in each speciality= 2 Weeks	6 Weeks	
7	**Medical Specialities 1:**				
	Gastronetrology / Neurology	2 Weeks in each speciality= 4 weeks (First two weeks in Gastronetrology & Last two weeks in Neurology)	1 Week in each speciality = 2 Weeks	6 Weeks	
8	**Medical Specialities 2:**				
	Dermatology/E mergency Medicine	2 Weeks in each speciality= 4 weeks (First two weeks in Dermatology & Last two weeks in Emergency Medicine)	1 Week in each speciality= 2 Weeks	6 Weeks	

Note: Total Class will be divided into 8 groups A, B, C, D, E, F, G, H

4th Year MBBS will visit the evening clinical ward rotatioms for 3 days per week (Monday - Wednesday) from 2:30 pm - 5:30 pm

Dr Ayesha Sadiq
Assistant Professor DME

Prof. Dr Muhammad Saeed
Principal AFMDC

Aziz Fatimah Medical & Dental College Faisalabad
Department of Medical Education

Ref. No: DME/1711 - 23

Date: 24th March 2023

Group Wise Distribution of 4th Year MBBS for Skill Ward Rotation for Session 2022-2023

Note: 4th Year MBBS will attend the skill lab for only two days in each rotation.

Rotation	Subject	Group	Ward	Dates
Rotation 1	Medicine	A	Skill lab	27th March - 28th March 2023
	Sugery	B	Skill lab	03rd April - 4th April 2023
	Anasthesia	E	Skill lab	10th April -11th April 2023
	Urology	F	Skill lab	17th April - 18th April 2023
Rotation 2	Medicine	H	Skill lab	24th April - 25th April 2023
	Sugery	A	Skill lab	02nd May - 03rd May 2023
	Anasthesia	D	Skill lab	08th May - 09th May 2023
	Urology	E	Skill lab	15th May -16th May 2023
Rotation 3	Medicine	G	Skill lab	22nd May -23rd May 2023
	Sugery	H	Skill lab	29th May -30th May 2023
	Anasthesia	C	Skill lab	05th June -06th June 2023
	Urology	D	Skill lab	12th June -13th June 2023
Rotation 4	Medicine	F	Skill lab	17th July -18th July 2023
	Sugery	G	Skill lab	24th July-25th July 2023
	Anasthesia	B	Skill lab	31st July - 01st August 2023
	Urology	C	Skill lab	07th August - 08th August 2023
Rotation 5	Medicine	E	Skill lab	15th August -16th August 2023
	Sugery	F	Skill lab	21st August - 22nd August 2023
	Anasthesia	A	Skill lab	28th August - 29th August 2023
	Urology	B	Skill lab	04th September -05th September 2023
Rotation 6	Medicine	D	Skill lab	11th September -12th September 2023
	Sugery	E	Skill lab	18th September -19th September 2023
	Anasthesia	H	Skill lab	25th September - 26th September 2023
	Urology	A	Skill lab	02nd October - 03rd October 2023
Rotation 7	Medicine	C	Skill lab	09th October - 10th October 2023
	Sugery	D	Skill lab	16th October- 17th October 2023
	Anasthesia	G	Skill lab	23rd October -24th October 2023
	Urology	H	Skill lab	30th October -31st October 2023
Rotation 8	Medicine	B	Skill lab	06th November -07th November 2023
	Sugery	C	Skill lab	13th November -14th November 2023
	Anasthesia	F	Skill lab	20th November -21st November 2023
	Urology	G	Skill lab	27th November -28th November 2023

Dr Ayesha Sadiq
HOD/Assistant Professor DME

Prof. Dr Muhammad Saeed
Principal AFMDC

CC: Concerned HODs, SA, TMC, MS AFH, DGM Admin & HR

Aziz Fatimah Medical & Dental College Faisalabad
Department of Medical Education

Group Wise Distribution of 4th Year MBBS for Ward Rotation

Group A
11058
19002-19016

Group B
15096
19017-19028

Group C
16068
19029-19042

Group D
18035
19043-19054

Group E
18077
19055-19068

Group F
18083
19069-19080

Group G
18084
19081-19093

Group H
18109
19094-19108

Schedule of 4th Year MBBS Ward Rotation

Clinical Ward Rotation	Morning	Evening
1st Rotation	27th March-22nd April 2023	03rd April -15th April 2023
2nd Rotation	24th April -20th May 2023	01st May - 13th May 2023
3rd Rotation	22nd May -17th June 2023	29th May -10th June 2023
4th Rotation	17th July - 12th August 2023	24th July - 05th August 2023
5th Rotation	14th August - 09th September 2023	21st August -02nd September 2023
6th Rotation	11th September - 07th October 2023	18th September - 30th September 2023
7th Rotation	09th October -04th November 2023	16th October -28th October 2023
8th Rotation	06th November - 02nd December 2023	13th November -25th November 2023

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AZIZ FATIMAH MEDICAL & DENTAL COLLEGE FAISALABAD

TIME TABLE 4th YEAR MBBS CLASS SESSION 2022-23 (Physical Classes)

DAY	1 08:00 am - 08:45 am	2 08:45 am - 09:30 am	3 09:30 am - 10:15 am	4 10:15 am- 11:00 am	5 11:00 am -11:15 am	6 11:15 am -12:00 pm	7 12:00 pm-14:00 pm
MONDAY	Clas Test		Community Medicine	Pathology	Break	Eye	Skill Lab
TUESDAY	ENT	Community Medicine	Pathology	PPERL T		Medicine	Skill Lab
WEDNESDAY	ENT	Community Medicine	Community Medicine	Pathology		General Surgery	Ward
THURSDAY	Eye	Pathology	Pathology Practical(Group A)			ENT Topic: Teacher:	Ward
FRIDAY	Eye	Community Medicine	Pathology	C. MEDICINE	11:00 am-13:00 pm COMMUNITY MEDICINE Tutorial		Jumma Prayers
SATURDAY	Paeds	Pathology	Pathology Practical (Group B)		Break	Gynaecology	Ward

Note: Clinical Ward Rotation Schedule along with allocation of Groups Roll No. wise shared separately.

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Principal AFMDC

AZIZ FATIMAH MEDICAL & DENTAL COLLEGE FAISALABAD

TIME TABLE Final YEAR MBBS CLASS SESSION 2022-23 (Physical Classes)

DAY	1 08:00 am - 08:45 am	2 08:45 am - 09:30 am	3 09:30 am - 12:30 pm	4 12:30 pm - 13:15 pm	5 13:15 pm -14:00 pm
MONDAY	Class Test		Ward	Medicine Lecture	Surgery Lecture T
TUESDAY	Surgery Lecture	Medicine Lecture	Ward	Paeds Lecture	Gynae/Obs Lecture
WEDNESDAY	Medicine Lecture	Gynae/Obs Lecture	Ward	Paeds Lecture	Surgery Lecture
THURSDAY	Medicine Lecture	Gynae/Obs Lecture	Ward	Surgery Lecture	Paeds Lecture
FRIDAY	PPERL Module	08:45 am - 01:00 pm Skill Lab AFMDC Batch (D) Ward Batches (A, B, C) *Note: Other Batches will leave for AFH			Jumma Break
SATURDAY	Surgery Lecture	Medicine Lecture	Ward	Surgery Lecture	Paeds Lecture

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Assistant Professor DME

Prof. Dr Muhammad Saeed
Principal

CC: Concerned HODS/Teachers, SAD, Exam. Dept, Notice Board

Aziz Fatimah Medical & Dental College Faisalabad
Department of Medical Education

Ref. No: DME/1721- 23

Date: 17th February 2023

Group Wise Distribution of 5th Year MBBS for Skill Ward Rotation for Session 2022-2023

Rotation	Subject	Group	Ward	Dates
Rotation 1	Medicine	A	Skill lab	1) 10th March 2023 2) 17th March 2023
	Pedriatrics	D	Skill lab	1) 24th March 2023 2) 31st March 2023
	Surgery	B	Skill lab	1) 07th April 2023 2) 14th April 2023
	Gynaecology	C	Skill lab	1) 21st April 2023 2) 28th April 2023
Rotation 2	Medicine	D	Skill lab	1) 05th May 2023 2) 12th May 2023
	Pedriatrics	C	Skill lab	1) 19th May 2023 2) 26th May 2023
	Surgery	A	Skill lab	1) 2nd June 2023 2) 9th June 2023
	Gynaecology	B	Skill lab	1) 16th June 2023 2) 21st July 2023
Rotation 3	Medicine	C	Skill lab	1) 28th July 2023 2) 04th August 2023
	Pedriatrics	B	Skill lab	1) 11th August 2023 2) 18th August 2023
	Surgery	D	Skill lab	1) 25th August 2023 2) 01st September 2023
	Gynaecology	A	Skill lab	1) 08th September 2023 2) 15th September 2023
Rotation 4	Medicine	B	Skill lab	1) 22nd September 2023 2) 29th September 2023
	Pedriatrics	A	Skill lab	1) 06th October 2023 2) 13th October 2023
	Surgery	C	Skill lab	1) 20th October 2023 2) 27th October 2023
	Gynaecology	D	Skill lab	1) 03rd November 2023 2) 10th November 2023

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HOD/Assistant Professor DME

Prof. Dr. Muhammad Saeed
Principal AFMDC

CC:
1) Student Affairs
2) Concerned Departments

Aziz Fatimah Medical & Dental College Faisalabad

Department of Medical Education

Ref. No. DME 1722 -23

Date: 17th February 2023

Final Year MBBS Ward Rotation

Clinical Rotation	Morning	Evening	Total Duration	Credit Hours
Medicine	8 Weeks	5 Weeks + 1 week Emergency Medicine	13 Weeks + 1 week Emergency Medicine	144+90= 234 18 Hours in Emergency Medicine
Surgery	8 Weeks	5 Weeks	13 Weeks	144+90= 234
Gynaecology	8 Weeks	5 Weeks	13 Weeks	144+90= 234
Pediatrics	8 Weeks	5 Weeks	13 Weeks	144+90= 234

Note: Class will be divided into 4 main groups. **Groups:A, B, C, D**

Each group will be subdivided into two sub-groups for placement in wards.

A: A1, A2 **B: B1, B2** **C: C1, C2** **D: D1, D2**

Final Year MBBS will visit the evening clinical ward rotations for 6 days per week (Monday - Saturday) from 02:30 pm - 05:30 pm

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Aziz Fatimah Medical & Dental College Faisalabad

Department of Medical Education

Ref. No: DME/1717 - 23

Date: 17th February 2023

Date wise Schedule of PPERL Lectures for Final Year MBBS

Department	Topic	Dates
Medicine	Patient Dignity	1) 10th March 2023
	Taking Informed Consent	2) 17th March 2023
Pedriatrics	Attributes of a medical Professional	1) 24th March 2023
	Empathy	2) 31st March 2023
Behavioral Sciences	Communication Skills	1) 07th April 2023
Surgery	Introduction to Patient safety	2) 14th April 2023
Gynaecology	Using quality improvement methods to improve care	1) 21st April 2023
	Understanding & Managing clinical risk	2) 28th April 2023
Medicine	Medical Practice Ethics	1) 05th May 2023
	Medical Decision Making	2) 12th May 2023
Pedriatrics	Negligence	1) 19th May 2023
	Social accountability and responsibility	2) 26th May 2023
Pathology	Safety in laboratories	1) 2nd June 2023
Surgery	Operation theatre safety	2) 9th June 2023
Gynaecology	Incident reporting	1) 16th June 2023
	Role of Sterilization in Health care	2) 21st July 2023
Behavioral Sciences	Group Dynamics	1) 28th July 2023
Behavioral Sciences	Team Work	2) 04th August 2023
Pedriatrics	Leadership Skills	1) 11th August 2023
	Role of doctor in community as leader	2) 18th August 2023
Surgery	Models of Patient Safety	1) 25th August 2023
	Swiss Cheese Model and its application (Case Scenario)	2) 01st September 2023
Gynaecology	Learning from errors to prevent harm	1) 08th September 2023
	Understanding & Managing clinical risk	2) 15th September 2023
Behavioral Sciences	Anger Management	1) 22nd September 2023
Behavioral Sciences	Conflict Resolution	2) 29th September 2023
Pedriatrics	Hand Hyegine	1) 06th October 2023
	Breaking bad news	2) 13th October 2023
Surgery	Safe Transfusion Practices	1) 20th October 2023
	Post Operative Care	2) 27th October 2023
Gynaecology	Engaging with patients and carers	1) 03rd November 2023
	Mnimizing infection through improved infection control	2) 10th November 2023

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Principal AFMDC

CC:
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2) Concerned Departments

Aziz Fatimah Medical & Dental College Faisalabad

Department of Medical Education

Ref. No. DME/1723-23

Date: 17th February 2023

Group Wise Distribution of Final Year MBBS for Ward Rotation for Session 2022-2023

Groups	Sub - Groups	
Group A	**Group A1**	**Group A2**
11096, 12017, 13044 18001-18026	11096, 12017 18001-18013	13044 18014-18026
Group B	**Group B1**	**Group B2**
13049, 13069, 14097 18027-18054	13049, 13069, 18027-18041	14097 18042- 18054
Group C	**Group C1**	**Group C2**
16058, 16097, 17060 18055- 18082	16058, 16097, 18055-18069	17060 18070-18082
Group D	**Group D1**	**Group D2**
17072, 17098 18085- 18113	17072 18085-18099	17098 18100-18113

Note: No change in any group is acceptable. Strict Compliance is required.

Clinical Ward Rotation	Morning	Evening
1st Rotation (8 Weeks)	06th March - 29th April 2023	13th March -15th April 2023
2nd Rotation (8 Weeks)	01st May - 22nd July 2023	08th May - 10th June 2023
3rd Rotation (8 Weeks)	24th July - 16th September 2023	31st July - 02nd September 2023
4th Rotation (8 Weeks)	18th September - 11th November 2023	25th September - 28th October 2023

Note: Students in Medicine ward rotation will have to do evening of 6 weeks including one week in Emergency Medicine
Note: Batch attending Skill Lab will not attend evening clinical ward class for one day only.
Note: Ward test will held on the last day of every ward and will be considered in Internal Assessment.

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THE LOGBOOK/CLINICAL CARD RECORD

The student is expected to make a reflective record of his/her achievements in the logbook. The logbook is a collection of evidence that learning has taken place, it is a reflective record of achievements. The logbook shall also contain a record of the procedures which student would have performed in third year, fourth year and final year clinical classes.

RECOMMENDED BOOKS

1. Practice of Medicine by Davidson.
2. Clinical Medicine by Parveen J Kumar & Michaell, Clark
3. Hutchison's Clinical Methods by Michael Swash. 21st edition
4. Basic psychiatry by Myre Sim, e. B. Gordon
5. Oxford Text Book of Psychiatry 6. ABC of Dermatology. Latest Edition.
7. Smith's General Urology by Emil A. Tanagho and Jack W. McAninch 15th edition. 2007
8. Online Journals and Reading Materials through HEC Digital Library Facility

MBBS FINAL PROFESSIONAL EXAMINATION

MEDICINE-I
Table of specification

SEQs

Maximum marks: 45
Time: 2 hours **All questions carry equal marks.**
Attempt all questions

Topic	No of SEQs
1. Cardiovascular System	02
2. Pulmonary medicine	01
3. Central Nervous System	01
4. Gastrointestinal System	02
5. Liver, Pancreas, Gallbladder	01
6. Blood	01
7. Rheumatology	01

MCQs

Total MCQs 45
Time: 1 hour
Marks for each MCQ: 01
Type of MCQs: One Best of Five

Topic	No of MCQ, s
1. Cardiovascular System	07
2. Pulmonary medicine	07
3. Central Nervous System	07
4. Gastrointestinal System	07
5. Liver, Pancrease, Gallbladder	06
6. Blood	05
7. Rheumatology	06

MBBS FINAL PROFESSIONAL EXAMINATION MEDICINE-II

Table of specification SEQ, s

Maximum marks: 45
Time: 2 hours
All questions carry equal marks.
Attempt all questions.

Sr. No	Topic Specification	SEQs
1	Endocrines	02
2	Renal/Kidneys, Water, Acid Base /Electrolyte, Metabolism	02
3	Infection/Tropical Disease	02
4	Neuropsychiatry	02
5	Dermatology	01
Total		09

MCQ, s

Total MCQs 40
Time:60 minutes
Time for each MCQs: 1 ½ minutes
Marks for each MCQs: one
Type of MCQs one Best of Five

Sr. No	Topic Specification	MCQs
1	Endocrines: a) Diabetes Mellitus. b) Thyroid c) Adrenals d) Misc./ other	05 (Breakup of MCQs as follows) 01 01 01 02
2	Renal/Kidneys, Water, Acid Base /Electrolyte, Metabolism	10
3	Infection/Tropical Disease	07
4	Neuropsychiatry: a) Signs and Symptoms in Psychiatric patients b) Patients presenting with fear and panic. c) Persistent complainer and somatization. d) The depressed patient. e) Patients brought with features of psychosis (odd, excited, aggressive). f) Conversion States. g) Mental Handicap. h) Confused and disoriented patients i) Substance abuse disorder. j) Obsessional states.	10 (Breakup of MCQs) One MCQs from each Topic.
5	Dermatology: a) Eczema b) Papulosquamous dermatoses c) Drug Eruptions d) Bullous Dermatomes e) Bacterial Infections of Skin. f) Cutaneous Infestations. g) Sexually Transmitted infections. h) Skin Manifestations of systemic Disorder.	10 (06 MCQs from the topics given)
6	Nutrition: Data/Photo	02

MBBS Final Professional Examination (For all affiliated Medical Colleges)

S. No	Subject	Theory						Int. Assessment	Sub Total	Clinical	Oral and Practical	Int. Ass	Sub Total	Grand Total
			SEQs			MCQs								
1	Medicine-I	45 Marks	9 SEQs	5 marks each	45 marks	45 MCQs	1 marks each	25	200	210	65	25	300	500
			2hours			1hours								
2	Medicine-II	45 Marks	9 SEQs	5 marks each	40 marks	40 MCQs	1 marks each							
			2hours			1hours								