

अखिल भारतीय आयुर्विज्ञान संस्थान नागपुर

ALL INDIA INSTITUTE OF MEDICAL SCIENCES NAGPUR



**General Medicine, Dermatology
& Psychiatry
Curriculum for MBBS Medicine**

Passion for Excellence

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Department of General Medicine



General Medicine

Goal

Medicine being one of the core clinical subjects, helps in development of students as good clinicians. The previously acquired knowledge of pre and para clinical subjects is nested in Medicine. With use of theoretical and clinical teaching the emphasis of the department will be to enable the students to competently handle all major clinical diseases from history taking to diagnosis to treatment and follow up.

Course outcomes

Theory

The course includes Basics of General Medicine, Symptomatology, Infectious Diseases and Systemic diseases.

OBJECTIVES

The broad goals of the teaching of undergraduate students in Medicine are to acquire knowledge and appropriate logical and rational approach to achieve diagnosis, investigate and Plan treatment for the patient.

Knowledge

At the end of the course, the student shall be able to:

- Describe the various symptoms of medical illnesses and their clinical importance.
- Describe the epidemiology, pathophysiology, clinical features, differential diagnosis, complications, investigations and treatment of various Infectious diseases.
- Describe the epidemiology, pathophysiology, clinical features, differential diagnosis, complications, investigations and treatment of various Systemic illnesses.
- Write the investigative strategies, interpret the investigations and give conclusions regarding various medical conditions.
- Formulate preventive strategies against different diseases and know about Adult vaccination.
- Develop a comprehensive knowledge about all drugs, medications, doses, side effects and treatment schedules of all systemic medical illnesses.
- Should have knowledge of Adverse drug reactions and their treatment and antidotes.

Skills

At the end of the course, the student should acquire skills as listed in the clinics course outcomes.

Attitude

At the end of the course the student should be able to approach a patient's disease and problems with right attitude, communication and maintaining the ethics of the profession.

Integration The teaching of theory in Medicine would be done in an integrated manner with other disciplines, such as Anatomy, Physiology, Biochemistry, Pathology and Microbiology, Community Medicine, Surgery, Orthopedics, and other super specialities whenever possible.

Practicals (Clinics)

Take case history, analyze and give provisional diagnosis in a cardiac case. Should be able to perform general examination including pulse, Blood pressure, JVP and understand their variations in Rheumatic, other valvular, coronary, hypertensive heart diseases and cardiomyopathies. Should be able to perform methodical examination of CVS and plan workup and treatment.

1. Should know the indications and order ECG in appropriate situations. Should be able to interpret ECG findings
2. Should be able to give intramuscular injections
3. Should be able to perform Basic life support and give CPR in life saving situations.
4. Should be able to counsel and communicate regarding lifestyle changes in CAD
5. Should be able to take history, do general examination and systemic examination in common infectious diseases. Should be able to order appropriate investigations to diagnose the etiology.
6. Should be able to order and interpret sputum examination, peripheral smear for Malarial smear and Mantoux test. Should assist in collection of blood culture in suspected infectious diseases
7. Elicit history and do general and systemic examination in abdominal diseases.
8. Assist in Ascitic fluid tapping
9. Should know the indications and perform Lumbar puncture in simulated condition. Should be able to interpret CSF findings
10. Counsel for HIV testing and HIV prevention
11. Should be able to diagnose hypertension by BP measurement, perform systemic examination, investigate for secondary causes of hypertension and incorporate patient management preferences in management of hypertension
12. Demonstrate understanding the impact of hypertension on quality of life ,well being, work and family
13. Discuss case of anaemia, examine for pallor, lymph nodes, liver and spleen to find etiology of anaemia and communicate diagnosis and appropriate treatment of anaemia
14. Assist in blood transfusion
15. Should be able to take medical history, perform examination in CKD, calculate FeNa, eGFR and interpret ECG changes in hypo and hyperkalemia
16. Should be able to elicit medical history and risk factors for Diabetes Mellitus. Perform foot examination and screen for complications of DM

17. Perform capillary blood glucose test and urinary ketone estimation by dipstick. Should be able to demonstrate correct technique of insulin administration and self-monitoring of blood glucose
18. Elicit, document and present history to diagnose thyroid disorders and perform examination that includes palpation of Thyroid gland and demonstrate signs of hypo and hyperthyroidism
19. Interpret Thyroid function test and write and communicate to patient prescription for Thyroxin based on age,sex, clinical and biochemical status
20. Perform, document and demonstrate physical examination in an obese patient, calculate BMI and measurement of abdominal obesity, signs of secondary causes and co morbidities
21. Order and interpret diagnostic tests including lipid profile and counsel about diet and exercise in weight loss
22. Elicit history and perform examination to elicit causes for upper GI bleeding, observe cross matching and blood component transfusion and counsel about diagnosis and treatment
23. Elicit history and perform examination in a case of Acute diarrheal disease. Demonstrate the utility of stool microscopy and hanging drop preparation in identifying the etiology. Counsel patients about importance of hydration and ORS in management. Should be able to treat severe dehydration by IV fluids
24. Elicit Medical history for evaluation of causes of headache; perform neurological examination and present differential diagnosis based on clinical features. Choose and interpret diagnostic testing including imaging
25. Perform, demonstrate and document physical examination includes detailed neurological examination in a case of Cerebrovascular episode
26. Elicit history and perform examination in a case of myelopathy and peripheral neuropathy. Distinguish the lesion based on upper motor neuron Vs lower motor neuron, side, site and most probable nature of lesion
27. Elicit history and perform examination to differentiate between ischemic and hemorrhagic stroke. Choose and interpret appropriate investigation in young patients with CVE. Counsel patient of CVE about diagnosis and treatment
28. Elicit history and perform neurological examination in speech disorders and cranial nerve involvement.
29. Elicit history and perform neurological examination in a case of movement disorders. Demonstration of signs in a case of Parkinson's disease.
30. Elicit history and perform clinical examination in a case of Snake bite. Diagnostic tests (WBCT) and demonstration of first aid (on Mannequin) in snake bite. Counseling family members of a poisoning case
31. Perform multidimensional geriatric assessment that includes medical, psychosocial and functional components
32. Elicit, document and present an appropriate medical history, perform systematic respiratory system examination and analyze to diagnose a case of pulmonary tuberculosis
33. Elicit history, document and present the detailed respiratory examination to identify pleural involvement and differentiate between tubercular and non tubercular pleural effusions
34. Decide the indications, perform and interpret PPD (Mantoux test) and its clinical significance .
35. Assist in performance and interpret the results of Pleural fluid aspiration
36. Prescribe an appropriate Antitubercular regimen based on location of disease, smear positivity and co morbidities, based on current national guidelines, including DOTS.
37. Define criteria for cure of tuberculosis, describe and recognize features of drug resistant tuberculosis, prevention and therapeutic regimens
38. Educate Health care workers on national Program of Tuberculosis and administering and monitoring DOTS program
39. Elicit, document and present a medical history that will differentiate the etiologies of obstructive airways disease, severity and precipitants

40. Perform a systematic examination that establishes the diagnosis and severity of COPD with complications of consolidation, pleural effusion or pneumothorax
41. Describe, discuss and interpret pulmonary function tests
42. Perform and interpret Peak expiratory flow rate
43. Enumerate the indications for and interpret the results of Pulse oximetry, ABG and Chest radiograph
44. Develop a therapeutic plan indicating use of bronchodilators and inhaled corticosteroids
45. Discuss and Counsel patients on smoking cessation and demonstrate correct use of inhalers

List of essential practical skills

- Art of history taking
- Arriving at a logical provisional diagnosis on history & Listing differential diagnosis
- Anthropometry: Height, weight, BMI, WHR and Vital signs measurement
- Systematic general examination
- Examination of each system in detail based on provisional diagnosis, in proper format
- Eliciting and demonstration of signs on systemic examination
- Formulation of relevant investigation protocol for common medical disorders and emergencies
- Preparation of treatment algorithm for common medical disorders and emergencies
- Formulating a treatment plan and Writing a proper prescription for the given case
- Planning follow up of the patients
- Counseling the patient and his relatives about the disease, treatment and prognosis
- Writing a case record
- Infection Control practices and use of Personal Protective Equipment
- Informed Consent for a procedure
- Techniques of asepsis
- Principles of First Aid
- Principles of Adult immunization
- Administration of Intramuscular injections
- IV access, blood sampling and monitoring
- Start and monitor blood transfusion
- Basic Life support
- Management of common medical emergencies like Acute myocardial infarction, stroke, snake bite etc
- Management of common poisonings like organophosphorus compound poisoning
- Order, perform and interpret ECG
- Estimation of capillary glucose levels by glucometer
- Estimation of urinary ketones by dipstick
- Nasogastric tube insertion
- Estimation of peak flow rate by peak flowmeter
- Nebulization therapy
- Peritoneal and pleural tapping
- Lumbar puncture
- Bone Marrow aspiration

GENERAL MEDICINE

Syllabus

COURSE CONTENT

General

The 'art' and 'science' of Medicine Principles of medical ethics

Clinical diagnostic reasoning

Principles of prevention of disease

Clinical genetics - common types, clinical presentation, investigation and prevention of genetic diseases and genetic counseling

Medical disorders during pregnancy Principles of Geriatric Medicine

Normal ageing

Clinical assessment of frail elderly,

Decisions about investigations and rehabilitation Major manifestations of disease in elderly

Care of terminally ill/dying patient

Clinical Pharmacology

Principles of drug therapy Adverse drug reactions and drug interactions

Monitoring drug therapy Writing a drug prescription

Nutritional and metabolic disorders

Nutritional assessment & needs Nutritional & metabolic disorders Protein energy malnutrition

Obesity

Vitamin and mineral deficiency & excess

Diet therapy including parenteral nutrition therapy

Water, electrolyte and acid-base imbalance

Hypovolemic and Hypervolemic state

Hyper and Hyponatremia, Hyper and Hypo kalemia

Metabolic and Respiratory Acidosis and Alkalosis

Critical care Medicine

Physiology of the critically ill patient

Major manifestations of critical illness

Shock – Types, Diagnosis and Treatment

Sepsis and septicemic shock

Coma

General principles of critical care management Scoring systems in critical care

Pain management and palliative care

General principles of pain

Assessment and treatment of pain Palliative care

Poisonings

General approach to the poisoned patient Poisoning by specific pharmaceutical agents Drugs of misuse

Organophosphorus compound poisoning

Snake bite and Envenomation

Other bites and stings - scorpion, spider

Specific environmental and occupational hazards

Heatstroke and hypothermia Drowning and near drowning Electrical injuries and Radiation injury

Immune response and Infections

Basic considerations Patterns of infection Laboratory diagnosis of infections

Principles of immunization and vaccine use

Fever of unknown origin Infective endocarditis

Acute infectious diarrhoeal diseases and food poisoning

Hospital acquired infections

Infections in immuno-compromised hosts

Specific Infections - Epidemiology, clinical features, laboratory diagnosis, treatment and prevention of :

Protozoal infections Amobiasis

Malaria

Leishmaniasis Toxoplasmosis Giardiasis

Trichomoniasis Trypanosomiasis

Bacterial infections

Streptococcal infections Pneumococcal
infections Staphylococcal infections
Meningococcal infections Gonococcal infections
Legionella infections

Pertussis and Diphtheria

Tetanus & Botulism

Gas gangrene, other clostridial infections Cholera

Salmonellosis - Typhoid and paratyphoid fevers Shigellosis
and bacillary dysentery

Brucellosis Plague

Helicobacter Pylori

Infections due to pseudomonas & other gram - negative bacteria Anaerobic
infections

Mycobacterial diseases Tuberculosis

Leprosy

Viral infections

Measles, Mumps, Rubella

Varicella

Common viral respiratory infections Human
immunodeficiency virus (HIV)

Viral gastroenteritis

Dengue fever

Rabies

Rickettsia, Mycoplasma & Chlamydial diseases Fungal infections

Candidiasis Aspergillosis Histoplasmosis
Cryptococcosis Mucormycosis

Helminthic infections

Nematodes & Cestodes

Systemic diseases

Cardiovascular system

Functional Anatomy & Physiology

Investigations in a cardiac case

Heart Failure

Sudden cardiac death

Systemic Hypertension

Coronary Artery Disease – Acute Myocardial infarction

Coronary artery disease – Chronic Stable and Unstable Angina

Acute rheumatic fever

Valvular heart disease – Mitral Valve disease

Valvular heart disease – Aortic valve disease

Congenital Heart diseases in Adults

Infective Endocarditis

Cardiomyopathies – Dilated and Restrictive cardiomyopathy

Myocarditis

Pericardial diseases

Diseases of Aorta

Peripheral vascular diseases

Respiratory System

Functional Anatomy and Physiology

Investigations in a Respiratory case

Upper respiratory infections

Pneumonias

Lung Abscess and Bronchiectasis

Bronchial Asthma

Chronic obstructive airways diseases

Occupational lung diseases

Interstitial lung diseases

Pulmonary Hypertension

Pulmonary Embolism

Obstructive Sleep apnoea

Adult respiratory distress syndrome and Mechanical Ventilation

Bronchogenic carcinoma

Pleural effusion

Pneumothorax

Diseases of the Mediastinum

Kidney and genitourinary system

Clinical examination of the kidney and genitourinary system Functional anatomy, physiology and investigations

Major manifestations of renal and urinary tract disease Dysuria, pyuria, urethral symptoms

Disorders of urine volume Hamaturia Proteinuria Oedema

Obstruction of the urinary tract

Acute and chronic renal failure

Infections of the kidney and urinary tract

Congenital abnormalities of the kidneys and urinary system

Acute & Chronic Glomerulonephritis

Tubulo-interstitial diseases

Renal involvement in systemic disorders Drugs and the kidney

Renal vascular diseases

Urinary tract calculi and nephrocalcinosis

Tumors of the kidney and genitourinary tract Renal replacement therapy

Gastrointestinal tract

Clinical examination of the abdomen

Functional anatomy, physiology and investigations particularly role of imaging, endoscopy and tests of function

Major manifestations of gastrointestinal disease Abdominal pain (acute and chronic)

Approach to the patient with gastrointestinal disease

Ascitis

Gastrointestinal bleeding - upper and lower

Diseases of the mouth and salivary glands - oral ulcers, candidiasis, parotitis

Diseases of the oesophagus - GERD, other motility disorders, oesophagitis, carcinoma oesophagus Diseases of the stomach and duodenum - gastritis, peptic ulcer disease, tumors of stomach

Diseases of the small intestine

Acute gastroenteritis & food poisoning Intestinal tuberculosis

Inflammatory bowel disease Malabsorption syndrome

Tumors of small intestine

Acute, sub-acute and chronic intestinal obstruction Disorders of the colon and rectum

Tumors of the colon & rectum Irritable bowel disease

Abdominal tuberculosis

Diseases of the peritoneal cavity Acute and chronic peritonitis

Diseases of the pancreas

Acute and chronic pancreatitis Tumors of pancreas

Liver and Biliary tract disease

Clinical examination of the abdomen for liver and biliary disease

Functional anatomy, physiology and investigations of hepatobiliary disease Major manifestations of liver disease

Jaundice

Liver abscess - amoebic & pyogenic Viral hepatitis - acute and chronic Alcoholic liver disease

Cirrhosis of liver and chronic liver disease

Portal hypertension and ascites

Hepatic encephalopathy and Acute Fulminant hepatic failure

Drugs, toxins and liver

Fatty liver and non alcoholic steatohepatitis Infiltrative diseases of liver

Wilson's disease

Tumors of the liver

Gallbladder and biliary tract diseases

Acute and chronic 'cholecystitis' Cholelithiasis

Tumors of gall bladder and bile ducts

Endocrinology and Metabolism

Diabetes mellitus

Clinical examination of the patient with diabetes Epidemiology and Classification

Physiology, pathophysiology and investigations

Major manifestations of disease

Acute metabolic complications

Diabetic ketoacidosis

Hyperglycemic non-ketotic coma

Hypoglycemia

Management of diabetes

Long-term complications (micro and macrovascular)

Special problems in management

Thyroid gland

Functional anatomy, physiology and investigations Major manifestations of thyroid disease

Interpretation of thyroid function test results

Hyperthyroidism Hypothyroidism

Goitre

The reproductive system

Major manifestations of reproductive disease Male hypogonadism

Gynaecomastia Impotence

Short stature and delayed puberty Cryptorchidism

Hirsutism

Secondary amenorrhoea

The parathyroid glands

Major manifestations of diseases of the parathyroid glands Hypercalcemia & Hypocalcemia

The adrenal glands

Major manifestations of adrenal disease The 'Cushingoid' patient

Adrenal insufficiency

Pheochromocytoma

The endocrine pancreas and gastrointestinal tract

Major manifestations of disease of the endocrine pancreas Spontaneous hypoglycemia

Disorders affecting multiple endocrine system

The hypothalamus and the pituitary gland

Major manifestations of hypothalamic and pituitary disease

Hypopituitarism

Acromegaly and Gigantism

Galactorrhea amenorrhoea syndrome

Hematological disorders

Clinical examination in blood disorders

Functional anatomy, physiology and investigations Major manifestations of hematological diseases

Anaemia

Nutritional anaemias –

Iron def Anaemia

Megaloblastic anaemia

Haemolytic Anaemias – Sickle cell disease

Aplastic Anaemias and Pancytopenia

Thrombocytopenia

Approach to a patient with Splenomegaly

Haematological Malignancies

Acute Leukemias

Chronic Leukemias

Lymphomas – Hodgkins Lymphoma

B cell Lymphomas

Myeloproliferative Disorders

Thrombocytopenia and Bleeding disorders

Disorders of coagulation and venous thrombosis Blood products and transfusion

Bone marrow transplantation

Disorders of the immune system, connective tissue and joints

Introduction to the immune system and autoimmunity Primary immune deficiency diseases

HIV, AIDS and related disorders

Major manifestations of musculoskeletal disease

Approach to articular and musculoskeletal disorders Inflammatory joint disease

Infectious arthritis

Inflammatory muscle disease Osteoarthritis

Systemic connective tissue diseases - SLE, RA, PSS Vasculitides

Ankylosing spondylitis, reactive arthritis and undifferentiated spondyloarthropathy Sarcoidosis

Amyloidosis

Musculoskeletal manifestations of disease in other systems Fibromyalgia

Diseases of bone

Osteoporosis

Neurological diseases

Clinical examination of nervous system

Functional anatomy, physiology and investigations Major manifestations of nervous system disease

Investigations in a case of Nervous system disorder

Headache and facial pain

Migraine and cluster headaches

Raised intracranial tension

Coma and brain death

Syncope & vertigo

Epilepsy

Cerebrovascular diseases

Neurogenic Bladder

Dementias

Acute and chronic meningitis

Brain abscess

Viral encephalitis

Diseases of cranial nerves Intracranial tumours

Diseases of spinal cord

Multiple sclerosis and other demyelinating diseases

Parkinson's disease and other extrapyramidal disorders Disorders of movement

Ataxia

Cerebellar disorders

Motor neuron disease

Nutritional and metabolic diseases of the nervous system

Myasthenia gravis and other diseases of neuromuscular junction Myopathies

Peripheral neuropathy

Termwise distribution of Syllabus

Theory

III Term

- General Medicine Topics
- Symptomatology of all systems
- Infectious Diseases – Bacterial and Parasitic

IV term

- Infectious Diseases – Viral, fungal and Other Infections
- Poisonings

V Term

- Haematology
- Gastrointestinal Diseases
- Liver and Pancreatic diseases

VI term

- Cardiovascular Diseases
- Respiratory system diseases
- Critical care Medicine

VII term

- Kidney and Genitourinary System
- Endocrinology and Metabolism

VIII Term

- Immunological disorders
- Articular and Musculoskeletal Disorders
- Critical Care Medicine

IX Term

- Neurology

Broad Plan and Teaching Learning Methods

Term	Systems	Didactic Lectures	Clinics	Integrated Teaching hours	SDL	Tutorials
Third	General Medicine	08	2 hours daily for 4 days a week	03 Micro & Patho	06	None
	Symptomatology of all systems	06				
	Infectious Diseases– Bacterial and Parasitic	16				
Fourth	Infectious Diseases – Viral, fungal and Other Infections	12	3 hours daily from Monday to Friday	02 Micro	05	None
	Posionings	06				
Fifth	Haematology	15	3 hours daily from Monday to Saturday	04 Patho & Surgery	06	None
	Gastrointestinal Diseases	07				
	Liver and Pancreatic diseases	09				
Sixth	Cardiovascular Diseases	16	3 hours daily from Monday to Saturday	None	05	None
	Respiratory system diseases	16				
Seventh	Kidney and Genitourinary System	14	3 hours daily from Monday to Saturday	02 Surgery Physiology	04	None
	Endocrinology and Metabolism	22				
Eighth	Immunological disorders	13	3 hours daily from Monday to Saturday	02 Micro & Ortho Dermatology	03	None
	Articular and Musculoskeletal Disorders	05				
	Critical Care Medicine	08				
	Tuberculosis	05				
Nineth	Neurology	22	3 hours daily from Monday to Saturday	02 Anatomy & Radiology & Psychiatry	04	15

Lectures

III Term

Total teaching hours = 30 hours

General Medicine Topics & Symptomatology

SN	Topic
1	Approach to a patient
2	Art and Science of History taking
3	Symptomatology of CVS
4	Symptomatology of RS
5	Symptomatology of GIT (including pancreatic diseases)
6	Symptomatology of Hepatobiliary diseases
7	Symptomatology of renal diseases
8	Symptomatology of CNS
9	Investigations and clinical diagnostic reasoning
10	Clinical Genetics
11	Principles of Geriatric Medicine
12	Approach to a critically ill patient
13	Care of terminally ill and dying patient
14	Clinical Pharmacology and writing a prescription

Infectious diseases – Part I (Bacterial & Parasitic Infections)

Sr No	Topic
1	Approach to patient with infectious disease
2	Fever & FUO
3	Investigations in infections
4	Principles of antibacterial therapy
5	Streptococcal Infections
7	Staphylococcal Infections
8	Pneumococcal & Meningococcal infections
9	Diphtheria
10	Tetanus
11	Cholera
12	Typhoid & Paratyphoid
13	Shigellosis and Acute Bacillary dysentery
14	Pseudomonas and other gram negative Infections
15	Malaria
16	Amoebiasis

IV Term

Total Teaching hours = 18 hours

Infectious diseases – Part II (Viral and Other infections)

Sr No	Topic
1	HIV infection -I
2	HIV infection – treatment and PEP
3	Dengue & Viral haemorrhagic fevers
4	Tropical fevers
5	Rickettsial pox including scrub typhus
6	Poliomyelitis
7	Rabies
8	Measles Mumps Rubella
9	Varicella Infections
10	Anaerobic Infections
11	Fungal infections
12	Helminthic Infections

Poisonings

Sr No	Topic
1	General principles of Poisonings
2	Organophosphorus compound Poisoning
3	Heavy Metal Poisoning
4	Heat Hyperpyrexia and Heat Stroke, hypothermia and Frost bite
5	Snake Bite
6	Radiation and Electrical injury

V term

Total teaching Hours = 31 hours

Haematology

Sr. No.	Topic
1	Approach to a patient with haematological disorder
2	Iron deficiency Anaemia
3	Haemolytic Anaemias
4	Sickle Cell Disease and other haemoglobinopathies
5	Megaloblastic Anaemias
7	Aplastic Anaemias and Myelodysplastic Syndromes
8	Acute Leukemias
9	Chronic leukemias
10	Lymphomas
11	Approach to a patient with Bleeding disorder
12	Thrombocytopenias
13	Coagulation Disorders
14	Blood transfusion
15	Bone Marrow and Stem cell Transplantation

Gastrointestinal System

Sr. No.	Topic
1.	Approach to a patient
2.	Diseases of Oesophagus
3.	GERD and H. Pylori infection
4.	Peptic ulcer disease
5.	Inflammatory bowel disease
6.	Malabsorption syndrome
7.	Irritable bowel syndrome

Hepatobiliary system and Pancreatic disease

HEPATOBIILIARY	
1.	Approach to the patient with liver disease
2.	Acute viral hepatitis
3.	Chronic hepatitis
4.	Cirrhosis of liver
5.	Wilson's disease and Hemochromatosis
6.	Acute and chronic cholecystitis
7.	Liver transplantation - medical aspects
Pancreas	
1.	Approach to a patients with pancreatic disease
2.	Acute and chronic pancreatitis

VI Term

Total teaching Hours = 32 hours

CARDIOVASCULAR SYSTEM

Sr. No.	Topic
1.	Approach to patient with cardiac disease
2.	Heart failure
3.	Sudden cardiac death
4.	Congenital heart diseases in adults
5.	Systemic hypertension
6.	Coronary artery disease – Risk Factors and Metabolic syndrome
7.	Coronary artery disease - Acute myocardial infarction
8.	Coronary artery disease – Chronic stable and unstable angina
9.	Acute rheumatic fever
10.	Valvular heart disease – Mitral valve disease
11.	Valvular heart disease – aortic valve disease
12.	Infective endocarditis
13.	Cardiomyopathies – HOCM, Dilated and Restrictive cardiomyopathy
14.	Myocarditis
15.	Pericardial disease
16.	Diseases of Aorta and PVD

RESPIRATORY SYSTEM

1.	Approach to a patient with Respiratory disease
2.	Investigations in a respiratory case
3.	Pneumonias
4.	Lung abscess and Bronchiectasis
5.	Bronchial Asthma
6.	Chronic Obstructive Airways disease
7.	Occupational lung diseases
8.	Interstitial lung disease
9.	Pulmonary hypertension
10.	Pulmonary Embolism
11.	Obstructive Sleep apnoea
12.	Adult respiratory Distress syndrome
13.	Bronchogenic Carcinoma
14.	Pleural effusion
15.	Pneumothorax
16.	Diseases of Mediastinum

VII TERM

Total teaching hours = 36 hours

Kidney and genitourinary system

Sr. No.	Topic
1.	Approach to a patient with kidney disease
2.	Adaptation and Pathophysiology of Renal injury including RA system
3.	Acute Renal failure
4.	Chronic renal failure
5.	Renal replacement therapy
6.	Glomerular diseases (Acute and Chronic Glomerulonephritis)
7.	Tubulointerstitial diseases
8.	Nephrotic Syndrome
9.	Polycystic Kidney disease
10.	Renal involvement in systemic diseases and Nephrotoxicity of drugs
11.	Renovascular diseases
12.	Infections of the kidney and urinary tract
13.	Nephrolithiasis and Urinary tract obstruction
14.	Renal transplantation

Endocrinology and Metabolism

Sr. No.	Topic
1.	Approach to a patient with endocrinological disorder
2.	Mechanisms of hormone action and regulation
3.	Hypopituitarism
4.	Acromegaly and Gigantism
5.	Diabetes insipidus and SIADH
6.	Clinical Manifestations of Thyroid disease and interpretation of thyroid function tests
7.	Hypothyroidism
8.	Thyrotoxicosis
9.	Evaluation of Thyroid nodule
10.	Parathyroid diseases
11.	Adrenal insufficiency
12.	Cushing's disease
13.	Pheochromocytoma
14.	Diabetes mellitus – I
15.	Diabetes Mellitus – II
16.	Acute complications of Diabetes Mellitus
17.	Chronic Complications of Diabetes mellitus
18.	Treatment of Diabetes Mellitus
19.	Male Hypogonadism and Gynaecomastia
20.	Hirsutism and secondary Amenorrhoea
21.	Obesity
22.	Hyperlipidemias

VIII Term

Total Teaching Hours = 31 hours

Immunological disorders

Sr. No.	Topic
1.	The Immune System and Major HLA
2.	Primary immune Deficiency diseases
3.	Allergies, anaphylaxis and Systemic Mastocytosis
4.	Approach to a patient with Autoimmune disorder
5.	Systemic Lupus Erythematosus
6.	Rheumatoid Arthritis
7.	Scleroderma and related disorders
8.	Sjogren's syndrome
9.	Spondyloarthropathies including Ankylosing Spondilitis
10.	Vasculitis Syndromes
11.	Polymyositis and Dermatomyositis
12.	Sarcoidosis
13.	Amyloidosis

Musculoskeletal and Joint Disorders

Sr. No.	Topic
1.	Approach to articular and Musculoskeletal disorders
2.	Osteoarthritis
3.	Gout and other Crystallopathies
4.	Fibromyalgia
5.	Osteoporosis

Critical Care Medicine

Sr. No.	Topic
1.	Approach to a critically ill patient
2.	Hypovolemic and Septic Shock
3.	Cardiogenic Shock
4.	Coma
5.	Oncologic emergencies
6.	Basic and Advance cardiac Life support
7.	Mechanical ventilation - Basics
8.	Life support and interventions

Tuberculosis

Sr. No.	Topic
1.	Epidemiology, Pathogenesis and Risk Factors for Tuberculosis
2.	Clinical manifestations of Pulmonary and extrapulmonary tuberculosis
3.	Diagnosis of Tuberculosis
4.	Treatment of tuberculosis – RNTCP and DOTS
5.	Multidrug resistant tuberculosis

IX Term

Total Teaching hours = 22 hours

Neurology

Sr. No.	Topic
1.	Approach to a patient with neurological disorder
2.	Examination and Investigations in a neurology case
3.	Headache and facial Pain
4.	Coma and Brain death
5.	Syncope and Vertigo
6.	Epilepsy
7.	Cerebrovascular diseases – I
8.	Cerebrovascular diseases – II
9.	Acute and Chronic Meningitis
10.	Brain abscess
11.	Viral Encephalitis
12.	Intracranial tumours
13.	Dementias and Alzheimer's disease
14.	Parkinsons disease and other extrapyramidal disorders
15.	Multiple sclerosis
16.	Ataxia and Cerebellar Disorders
17.	Disorders of spinal cord – Non compressive Myelopathies
18.	Disorders of spinal cord –Compressive Myelopathies
19.	Amyotrophic Lateral sclerosis
20.	Nutritional and Metabolic disorders of CNS
21.	Myasthenia Gravis
22.	Peripheral Neuropathy

TUTORIALS

IX Term

Total teaching hours – 15

SN	Topic	No. of hours
1	Emergencies	3
2	ECGs	4
3	Xrays	2
4	Drugs	3
5	Instruments	1
6	Prescription writing	2

Assessment

General Medicine

Details

Formative Assessment

Theory (200)	Practical (200)
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First Internal Assessment (Formative)

III Semester

Practical Exam : General Medicine -End of Posting exam of 50 marks after clinical posting.

Marks will be converted to 25.

Pattern : 1 Case – History taking in proper format and presentation (25)

Examination of Vitals (5)

OSCE – Calculation of BMI, Calculation of Dietary requirement, Measurement of Blood Pressure,

Pulse examination, Examination for pallor, icterus, oedema Feet (20)

V Semester

Practical Exam : General Medicine -End of Posting exam of 50 marks after clinical posting. Marks will be converted to 25.

Pattern : 1 Case (40) – History taking in proper format and presentation

Examination of Vitals, General Examination and relevant systemic examination

OSCE (10) – Assessment of JVP, Different types of pulse, abnormalities of rhythm, Signs of Heart

Failure, Signs of Acute and Chronic liver cell failure, flapping tremors

Psychiatry – Clinical posting - End of Posting exam of 10 marks after clinical posting.

Second Internal Assessment (Formative)

VI Semester

Practical Exam : End of Posting exam of 50 marks after clinical posting.

Pattern : 1 Case(40) – History taking in proper format and presentation

Examination of Vitals, General Examination , Detailed systemic examination of CVS/RS

OSCE (10) – Signs of Rheumatic Fever, Infective Endocarditis, COPD, Tuberculosis, Allergies, Types and signs of Acute and Chronic respiratory failure, Use of MDI and Nebulizers, Taking 12 lead ECG.

Theory Exam : 100 marks

Medicine 60 marks, Psychiatry 20 marks Dermatology 20 marks

Syllabus : General Medicine, Symptomatology, Infectious diseases, Haematology, GIT, Liver and Pancreas,

Section A - Medicine – 60 marks – 1 LAQ (15), LAQ(10), 7 SAQ out of 9 (5 marks each)

Section B– Psychiatry – 20 marks

Section C – Dermatology – 20 marks

VII Semester

Practical Exam : General Medicine – No exam

Dermatology – 20 marks clinical assessments after clinical posting.

Third Internal Assessment (Formative)

VIII Semester

Practical Exam : General Medicine – End of Posting exam of 50 marks

Pattern: 2 Short Cases (20 marks each) - General Examination and relevant Systemic Examination in details

OSCE (10 marks) – Blood sugar, IM injection, subcut injection, intradermal testing,

Interpretation of Xray/ECG, ABG, PFT, Prescription writing, Management of common emergencies, BLS, ACLS

Psychiatry – Clinical posting - End of Posting exam of 20 marks after clinical posting.

Theory Exam : General Medicine 80 marks

Syllabus : CVS, RS, Endocrinology & Metabolism, Immunology, Articular and connective tissue disorders, Kidney and genitourinary system

Paper I – General medicine = 80 marks

Section A - MCQs – 30 MCQs (0.5 marks each) (Total = 15 marks)– 30 min

SAQ - 5 out of 7 of 7 marks each (Total -35 marks) –1 hour

Section B – LAQ – 1 of 15 marks

LAQ – 1 case scenario of 15 marks (Total – 30 marks) – 1 hour 15 min

Section C – Psychiatry -20 marks -- 45 min

Fourth Internal Assessment (Formative)

PreProfessional Exam

Practical Exam : General Medicine – Clinical Exam of 200 Marks

1 Long case of 50 Marks

1 short case of 30 Marks

Spots (Xray, ECG, Instruments, Drugs, Prescription) – 50 Marks

Viva Voce – 20 Marks

Psychiatry – Clinical case– 20 Marks

Dermatology – Clinical case– 20 Marks

Viva Voce – 10 Marks

Theory Exam : Total 200 Marks

Paper I – General medicine = 100 marks

MCOs(20), 8 SAQ (5 marks each – $8*5 = 40$), 3 LAQ including Case scenarios (40)

Paper II – Section A – General medicine – 50 Marks

(1 LAQ – 15 marks, 5 SAQs – 7 marks each – $7*5 = 35$)

Section B – Psychiatry -25

Section C - Dermatology- 25, Total – 50 marks

Internal assessment

Practical – IA exams (200) + Preprofessional exam (200) = $400/2 = 200$ Marks

Theory – IA exams (200) + Preprofessional exam (200) = $400/2 = 200$ Marks

Summative Assessment

Professional Exam – Final Exam

Practical Exam : Total = 200 Marks

General Medicine – Clinical Exam of 160 Marks

1 Long case of 50 Marks

2 short cases of 25 Marks each – Total 50 marks

Spotting, Xray, instruments – 50 marks

Viva Voce – 10 marks

Psychiatry – Clinical case– 15 marks

Dermatology – Clinical case– 15 marks

Viva Voce – 10 marks

Theory Exam : Total 200 Marks

Paper I – General medicine = 100 marks

MCQs(20), 8 SAQ (5 marks each – $8*5 = 40$),

3 LAQ including Case scenarios (40)

Paper II – Section A – General medicine – 50 Marks

(1 LAQ – 15 marks, 5 SAQs – 7 marks each – $7*5 = 35$)

Section B – Psychiatry -25

Section C - Dermatology- 25, Total – 50 marks

Final Professional Marks in Medicine & Allied Subjects

Practical = 400 (IA 200 + Prof – 200)

Theory = 400 (IA 200 + Prof – 200)

TEXT- BOOKS RECOMMENDED

1. Davidson's Principles and Practice of Medicine, ELBS-Livingstone publications
2. Kumar & Clark' Clinical Medicine – A textbook for medical students and doctors, ELBS publications
3. Harrison's Principles of Internal Medicine, McGraw Hill publications (Reference book)
4. Oxford Textbook of Medicine Vol I & II, ELBS publication (Reference book)
5. Hutchison's Clinical Methods, ELBS publications
6. **Macleod's Clinical Examination** 13th Edition by Fiona Nicol, Graham Douglas, Colin Robertson., ELBS publications
7. API textbook of Medicine
8. Goldman – Cecil Textbook of Medicine 26th Edition (Reference Book)
9. **Medicine: Prep Manual for Undergraduates** by K. George Mathews (Author), Praveen Aggarwal (Author)
10. **Physical Diagnosis A Textbook Of Symptoms & Physical Signs** by Rustom Jal Vakil, Aspi F Golwalla
11. **Manual of Practical Medicine** 5th Edition by Author: Alagappan R (2014)
12. **Bedside Clinics In Medicine** by Arup Kumar Kundu
13. **MCQs in Internal Medicine** by Arup Kumar Kundu

DERMATOLOGY, VENEREOLOGY AND LEPROLOGY

UNDERGRADUATE SYLLABUS

Course outcomes

The undergraduate students at the end of course should understand and learn the basic principle of diagnosis and management of various skin diseases including sexually transmitted diseases and Leprosy through knowledge, bedside & laboratory skills, attitudes and communication skills to work efficiently as health care provider in community.

Knowledge

At the end of the course students should be able to-

1. Diagnose and manage common skin diseases, sexually transmitted diseases and leprosy.
2. To diagnose and manage common medical emergencies related to skin diseases & leprosy
3. Be competent to practice preventive, promotive, curative and rehabilitative medicine in respect to various skin diseases including sexually transmitted diseases and leprosy.
4. Practice Evidence Based Medicine and should understand the rationale for different therapeutic modalities in the management of skin diseases including sexually transmitted diseases and leprosy.
5. Be familiar with the National Health Programs (National Leprosy Control/Eradication Programme & National AIDS Control Organization, and the ways in which they are being implemented.
6. Practice medical ethics in patient care.

Skills

1. History taking in dermatology, sexually transmitted diseases and leprosy.
2. Clinical examination and description of cutaneous findings in a systematic way.
3. To develop skills to do day-to- day common bedside tests and their interpretation which help in diagnosis.
4. To take care of the wounds of the patients of leprosy, TEN, & Pemphigus.
5. Systemic examination in relation to dermatologic diseases.

Attitude

1. To develop a compassionate attitude towards the patients and their attendants.
2. Demonstrate communication skills, both verbal and written to establish effective communication with the patients, relatives, and general public, health team partners, and scientific community

Broad plan of teaching and learning

Lectures	Semester	No. of lectures
Dermatology	6th	15
Leprology	6th	02
STD	6th	03
Total		20
Clinical postings	Semester	Duration

	3 rd	1 week
	7th	3 weeks
Total		4 weeks

Teaching, learning Plan

Competency The Student should be able to	Domain K/S/A/C	Level K/KH/SH/P	Core Y/N	Teaching learning method	Formative assessment	Summative assessment	Integration
1. TOPIC – INTRODUCTION TO DERMATOLOGY							
To describe the structure and function of skin, hair & nail	K	K	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To identify various basic skin lesions and to describe the morphology, configuration & distribution of skin lesions	K	KH	Y	Lecture, Bedside clinics	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
2. TOPIC - BACTERIAL SKIN INFECTIONS							
To discuss the etiology, clinical features, diagnosis and treatment of common bacterial infections of skin	K	KH	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To collect specimen for Gram staining and interpret the result	S	SH	Y	DOAP	DOPS	DOPS	
To diagnose and treat different clinical forms of cutaneous tuberculosis	K	KH	Y	Lecture, bedside clinic	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
3. TOPIC - FUNGAL SKIN INFECTIONS							
To describe the etiology, clinical features, diagnosis and treatment of superficial fungal infections	K	KH	Y	Lecture/ Bedside clinics	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To enumerate various antifungal drugs and describe their use in treatment of various cutaneous fungal infections	K	KH	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To collect specimen for KOH	S	SH	Y	DOAP	Skill test- DOPS	Viva voce	

mount and to interpret the result							
To describe the etiology, clinical features, diagnosis and treatment of mycetoma	K	K	Y	Lecture, bedside clinic	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
4. TOPIC - INFESTATIONS							
To describe the etiology, clinical features, diagnosis and treatment of scabies and pediculosis	K	KH	Y	Lecture, Bedside clinics	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
5. TOPIC - VIRAL SKIN INFECTIONS							
To describe the etiology, clinical features, diagnosis and treatment of common viral infections of skin	K	KH	Y	Lecture/ Bedside clinics	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To prepare a tzanck smear in a case of suspected cutaneous viral infection	S	SH	Y	DOAP	DOPS	Written (SAQ)/Viva voce	
6. TOPIC - DISORDERS OF PIGMENTATION							
To describe the melanin synthesis pathway	K	K	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To enumerate various pigmentary disorders (hypopigmented and hyperpigmented)	K	K	Y	Lecture, bedside clinic	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
Identify and differentiate vitiligo from other causes of hypopigmented lesions	K	SH	Y	Lecture, bedside clinic	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To describe the pathogenesis and clinical presentation of vitiligo	K	KH	Y	Lecture, bedside clinic	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To describe various treatment options for the treatment of vitiligo	K	K	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To enumerate various topical agents for the	K	K	Y	Lecture	SAQ, Ward leaving test	Written (SAQ)/Viva voce	

treatment of hyperpigmentary disorders					(Viva voce, Spotter)		
7. TOPIC - ECZEMA							
To classify eczema and to describe the etiology, clinical features, diagnosis and treatment.	K	KH	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To define acute skin failure, its etiology, pathogenesis, complications and management	K	KH	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
8. TOPIC - VESICULOBULLOUS DISORDERS							
To classify vesiculobullous disorders with respect to etiology, level of split and age of onset	K	KH	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To describe etiopathogenesis, clinical features, diagnosis & treatment of Pemphigus vulgaris	K	KH	Y	Case based learning/ Lecture/ Case presentation, bedside clinic	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To describe etiopathogenesis, clinical features, diagnosis & treatment of Bullous pemphigoid	K	KH	Y	Case based learning/ Lecture/ Case presentation, bedside clinic	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To describe etiopathogenesis, clinical features, diagnosis & treatment of Dermatitis herpetiformis	K	KH	Y	Case based learning/ Lecture/ Case presentation, bedside clinic	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To prepare a tzanck smear and identify acantholytic cells	S	SH	Y	DOAP	DOPS	Written (SAQ) Viva voce	
9. TOPIC - PAPULOSQUAMOUS DISORDERS							
To describe the etiology, pathogenesis, clinical features, diagnosis & treatment of Psoriasis	K	KH	Y	Lecture/Case presentation/ Case based learning	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	

To describe various modalities available for the treatment of psoriasis	K	K	Y	Lecture, Case based learning, bedside clinic	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To describe the etiology, clinical features, diagnosis & treatment of Lichen planus	K	K	Y	Lecture, bedside clinic	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To describe the clinical features and management of Pityriasis rosea	K	K	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
10. TOPIC - ADVERSE CUTANEOUS DRUG REACTIONS AND URTICARIA							
To classify various adverse cutaneous drug reactions	K	KH	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To discuss the etiopathogenesis, clinical features and management of SJS-TEN	K	KH	Y	Lecture, case based learning	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To discuss the etiopathogenesis, diagnosis and treatment of urticaria	K	KH	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
11. TOPIC - ACNE VULGARIS AND ROSACEA							
To describe the etiopathogenesis, clinical presentation and management of Acne vulgaris	K	KH	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To describe various topical and systemic drugs used for the treatment of acne vulgaris	K	K	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To describe the etiopathogenesis, clinical presentation and management of Rosacea	K	K	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
12. TOPIC - NUTRITIONAL DERMATOSES							
To enumerate and describe cutaneous manifestations of Vitamin C deficiency	K	K	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	

To enumerate and describe cutaneous manifestations of zinc deficiency	K	K	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To enumerate and describe cutaneous manifestations of Protein-Energy malnutrition	K	K	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To enumerate and describe cutaneous manifestations of vitamin B complex deficiency	K	K	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
13. TOPIC - CUTANEOUS MANIFESTATIONS OF SYSTEMIC DISEASE							
To enumerate cutaneous manifestations of diabetes mellitus	K	K	Y	Lecture/Case based learning	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To enumerate cutaneous manifestations of thyroid dysfunction	K	K	Y	Lecture/Case based learning	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To enumerate and describe cutaneous manifestations of lupus erythematosus	K	K	Y	Lecture/Case based learning	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	Horizontal integration with General Medicine
To enumerate and describe cutaneous manifestations of systemic sclerosis	K	K	Y	Lecture/Case based learning	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	Horizontal integration with General Medicine
To enumerate and describe cutaneous manifestations of dermatomyositis	K	K	Y	Lecture/Case based learning	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	Horizontal integration with General Medicine
14. TOPIC - HAIR DISORDERS							
To describe the structure of hair follicle and stages of hair cycle	K	K	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To classify and enumerate various causes of alopecia	K	K	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To explain etiopathogenesis, clinical features and treatment of	K	KH	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	

androgenetic alopecia							
To explain etiopathogenesis, clinical features and treatment of alopecia areata	K	KH	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
15. TOPIC – TOPICAL THERAPY							
To describe various topical formulations and factors affecting percutaneous absorption of drugs	K	K	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To describe classification, mechanism of action and uses of topical corticosteroids	K	KH	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To describe various cutaneous and systemic adverse effects of corticosteroids	K	KH	Y	Lecture, case based learning	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
16. TOPIC- LEPROLOGY (2 lectures)							
To discuss epidemiology of Hansen's disease & microbiological aspects of lepra bacilli	K	KH	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	Horizontal integration with PSM and Vertical integration with Microbiology
To explain the pathogenesis and histopathological features of Hansen's Disease	K	KH	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To describe clinical features and classification of Hansen's Disease	K	KH	Y	Lecture, bedside clinic	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To make a slit skin smear and identify lepra bacilli	S	SH	Y	DOAP	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To describe the treatment of Hansen's Disease and to explain various adverse effects of drugs used for treatment	K	K	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To discuss classification and	K	KH	Y	Case based learning/ Lecture	SAQ, Ward leaving test	Written (SAQ)/Viva voce	

clinical features of lepra reactions					(Viva voce, Spotter)		
To describe treatment of lepra reactions	K	KH	Y	Case based learning/ Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To discuss disability associated with Hansen's Disease and enumerate various rehabilitative measures	K	K	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
17. TOPIC: SEXUALLY TRANSMITTED DISEASES (3 lectures)							
To describe the etiology, clinical features, diagnosis and treatment of early acquired syphilis	K	KH	Y	Case based learning/ Lecture/Case presentation	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To classify and enumerate clinical features of congenital syphilis	K	K	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To counsel in a non-judgemental and empathetic manner patients on prevention of sexually transmitted disease	C	SH	Y	DOAP, role play	Skill assessment	Skill assessment	
To describe the etiology, diagnostic and clinical features of chancroid, donovanosis and LGV	K	KH	Y	Lecture, Case based learning	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
Describe the etiology, clinical features & management of Gonococcal & non gonococcal urethritis/ cervical discharge.	K	KH	Y	Lecture/ Case based learning	SAQ, Ward leaving test(Viva voce, Spotter)	Written(SAQ)/ Viva voce	
To discuss the etiology, clinical features, diagnosis and treatment of various viral sexually transmitted diseases (Herpes genitalis, warts, molluscum contagiosum)	K	KH	Y	Lecture/ Case based learning	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	

To describe syndromic management of sexually transmitted diseases and to enumerate its pros and cons	K	KH	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To describe the etiology and pathogenesis of HIV infection	K	KH	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To describe various cutaneous manifestations of HIV infection	K	K	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To explain various diagnostic tests and treatment of various cutaneous manifestations of HIV infection	K	K	Y	Lecture	SAQ, Ward leaving test (Viva voce, Spotter)	Written (SAQ)/Viva voce	
To counsel a patient a patient of HIV with empathy and in a non-judgemental manner	C	SH	Y	DOAP, Role play	Skill assessment	Skill assessment	

Internal assessment	
Theory 6th end-semester (20 Marks Paper)	Clinical assessment (7th semester) (20 Marks)
Five SAQs of 4 Marks each- 3 SAQs from Clinical dermatology 1 SAQ from Venereology 1 SAQ from Leprology	Spotters- 4 Spot of 2 Marks each from Clinical dermatology 2 Spot of 2 Marks from Venereology 2 Spot of 2 Marks from Leprology 1 Spot of 2 Marks for Instruments 1 Spot of 2 Marks for drugs
Total= 20	Total= 20 marks
Grand Total =40	

Formative assessment Pre Professional	
Theory (25)	Practical (15) and Viva Voce (5)
Dermatology – 3 SAQ- 15 marks	Spotters (Total 15 spots of 1 mark each)
Venereology – 1 SAQ - 5 marks	Clinical dermatology – 07 spots = 07 marks
Leprology - 1 SAQ - 5 marks	Venereology – 2 spots = 02 marks
Total – 25 marks	Leprology – 2 spots = 02 marks
	Instruments – 2 spots = 02 marks
	Drugs – 2 spots = 02 marks
	Total = 20 marks

Summative assessment - Final	
Theory (25 marks in paper II)	Practical (15 marks) Viva Voce 05 marks
Dermatology – 3 SAQ (5 marks each = total 15 marks)	SPOTTERS – (15 MARKS) 1. Clinical dermatology – 07 spots = 07 marks 2. Venereology – 2 spots = 02 marks 3. Leprology – 2 spots = 02 marks 4. Instruments – 2 spots = 02 marks 5. Drugs – 2 spots = 02 marks
Venereology – 1 SAQ (5 marks) = total 05 marks)	
Leprology - 1 SAQ (5 marks = total 5 marks)	
Total – 25 marks	
	Total = 20 marks

Recommended books

(a): Text books

S.NO	Author	Name of the Book	Edition
1.	Neena Khanna	Illustrated synopsis of Dermatology and sexually transmitted diseases	7th
2.	Neena Khanna and Saurabh Singh	Bhutani's Color Atlas of Dermatology	6 th

(b) Reference books

S.NO	Author	Name of the Book	Edition
1.	Vinod K Sharma	Sexually transmitted diseases & HIV AIDS	2 nd
2.	Jopling, WH & Mc Dougall	Handbook of Leprosy	5 th

PSYCHIATRY

UNDERGRADUATE SYLLABUS

An understanding of human behaviour and mental health is essential for a medical undergraduate. The prevalence of mental health disorders, especially depression, anxiety and suicide are rapidly increasing in the community. At MBBS level, a basic knowledge of Psychiatry is a must in order to cater to the needs of the community.

As a trainee, students need to know the basics of behavioural psychology and etiopathogenesis, clinical features, diagnosis and management of common psychiatric disorders. They should be able to recognize and manage common disorders in a primary care setting as well as refer appropriately if need be.

COURSE OUTCOMES

At the end of the course, the student shall be able to:

KNOWLEDGE:

1. Explain aetiology (bio-psycho-social model), clinical features, diagnosis and management of common mental & behavioural disorders across all age groups
2. Demonstrate understanding of National and State mental health and welfare programmes for the community
3. Discuss positive mental health and mental hygiene measures

SKILLS:

1. Diagnose and treat common mental & behavioural disorders in a primary care setting, do preliminary management and appropriate referral.
2. Identify alcohol / substance use disorders and refer them to appropriate centres
3. Assess risk for suicide, give psychological first aid and refer appropriately
4. Identify mental disability and advise rehabilitative measures

SYLLABUS

1. Introduction to behavioural psychology:

- a. Definition
- b. Components
- c. Applications

2. Learning:

- a. Components of learning
- b. Classical conditioning
- c. Operant conditioning
- d. Cognitive, social, biological & observational learning
- e. Application of learning theories

3. Motivation:

- a. Definition
- b. Theories of motivation
- c. Biological & social motivation
- d. Maslow's hierarchy
- e. Motivation conflicts & frustration

4. Emotion:

- a. Theories of emotion
- b. Type & health impact

5. Thinking:

- a. Definition of thinking
- b. Thinking: Images & language
- c. Problem solving
- d. Creative thinking

6. Cognitive process:

- a. Sensory process
- b. Memory
- c. Intelligence

7. Intelligence:

- a. Theories of intelligence
- b. Determinants of intelligence

- c. Assessment of intelligence

8. Personality:

- a. Definition
- b. Trait
- c. Theories of personality
- d. Assessment

9. Doctor patient relationship:

- a. Model of doctor patient relationship
- b. Rapport & empathy
- c. Transference & counter transference
- d. Style & components of communication
- e. Confidentiality in patient encounter
- f. Communicating bad news
- g. Basic counselling skill

10. Stress and coping:

- a. Stress cycle
- b. Stress management and coping mechanisms
- c. Resilience

11. Death, dying and bereavement:

- a. Stages of death and dying
- b. Grief & bereavement

12. Introduction to psychiatry & classification of psychiatric disorders:

- a. Normal human behaviour
- b. Biopsychosocial model of disorders
- c. Concept & history of psychiatric disorders
- d. Classification of psychiatric disorders (ICD & DSM)
- e. Psychiatry in healthcare

13. Descriptive psychopathology:

- a. Psychiatric history taking
- b. Mental status examination

14. Neurobiology of Psychiatric disorders:

- a. Functional neuroanatomy

- b. Neurotransmitters

15. Schizophrenia & other psychotic disorders:

- a. Clinical features & diagnostic classification
- b. Epidemiology, aetiology, course & prognosis
- c. Differential diagnosis
- d. Acute management
- e. Long term management & rehabilitation

16. Bipolar affective disorders:

- a. Clinical features & diagnostic classification
- b. Epidemiology, aetiology, course & prognosis
- c. Differential diagnosis
- d. Acute management
- e. Long term management & rehabilitation

17. Depression:

- a. Clinical features & diagnostic classification
- b. Epidemiology, aetiology, course & prognosis
- c. Differential diagnosis
- d. Psychosocial management
- e. Biological management

18. Anxiety disorders:

- a. Clinical features & diagnostic classification
- b. Epidemiology, aetiology, course & prognosis
- c. Differential diagnosis
- d. Psychosocial management
- e. Biological management

19. Obsessive compulsive disorder:

- a. Clinical features & diagnostic classification
- b. Epidemiology, aetiology, course & prognosis
- c. Differential diagnosis
- d. Psychosocial management
- e. Biological management

20. Psychosomatic & Stress related disorder:

- a. Clinical features & diagnostic classification
- b. Epidemiology, aetiology, course & prognosis
- c. Differential diagnosis
- d. Psychosocial management
- e. Biological management

21. Somatoform disorders:

- a. Clinical features & diagnostic classification
- b. Epidemiology, aetiology, course & prognosis
- c. Differential diagnosis
- d. Psychosocial management
- e. Biological management

22. Dissociative disorders:

- a. Clinical features & diagnostic classification
- b. Epidemiology, aetiology, course & prognosis
- c. Differential diagnosis
- d. Psychosocial management
- e. Biological management

23. Substance use disorders:

- a. Medical model & Concept of dependence & harmful use of substances.
- b. Assessment of substance use disorders (Alcohol, opioids, cannabis, stimulants, tobacco, nutritional substances)
- c. Clinical features & diagnosis of intoxication & withdrawal of substance use disorders
- d. Management of substance withdrawal
- e. Management of substance dependence: pharmacological, non-pharmacological & substitution therapy

24. Neurocognitive disorders:

- a. Bedside assessment of cognition in delirium & dementia
- b. Causes, clinical features & management of delirium
- c. Types, clinical features, management of dementia

25. Disorders of adult personality, behaviour:

- a. Clinical features & diagnostic classification of personality disorders

- b. Differential diagnosis
- c. Psychosocial management
- d. Biological management

26. Eating disorders:

- a. Clinical features & diagnostic classification
- b. Epidemiology, aetiology, course & prognosis
- c. Differential diagnosis
- d. Psychosocial management
- e. Biological management

27. Nonorganic sleep disorders:

- a. Sleep cycle
- b. Clinical features & diagnostic classification
- c. Epidemiology, aetiology, course & prognosis
- d. Differential diagnosis
- e. Psychosocial management including sleep hygiene
- f. Biological management

28. Sexuality and sexual disorders:

- a. Gender & Sexuality
- b. Clinical features & diagnostic classification of sexual disorders
- c. Epidemiology, aetiology, course & prognosis
- d. Differential diagnosis
- e. Psychosocial management
- f. Biological management

29. Geriatric psychiatry:

- a. Factors making elderly vulnerable population
- b. Geriatric depression
- c. Cognitive disorders

30. Psychiatric disorders of childhood & adolescence:

- a. Intellectual disability: aetiology, assessment, classification, behavioural management
- b. Autism spectrum disorder: concept, clinical features, classification, management

- c. Specific learning disability: concept, clinical features, assessment
- d. Hyperkinetic disorder: clinical features, management
- e. Conduct disorders: clinical features, management

31. Neuropsychiatry:

- a. Neuropsychiatric aspects of common neurological conditions (headache, epilepsy, tumours, head injury, stroke)

32. Psychiatric emergencies:

- a. Suicide & self-harm: aetiology & risk factors, epidemiology, assessment, crisis management, prevention
- b. Violent behaviour: aetiology & risk factors, assessment, crisis management
- c. Sexual abuse: assessment, crisis management

33. Biological therapies in psychiatry:

- a. Psychopharmacotherapy
- b. Management of side effects of psychopharmacotherapy
- c. Electroconvulsive therapy

34. Psychotherapy:

- a. Behaviour therapy: overview & application
- b. Cognitive therapy: concept, overview, indications.
- c. Supportive therapy: concept & application
- d. Psychoanalysis: overview
- e. Group therapy: overview
- f. Psychoeducation

35. Community psychiatry:

- a. National and district mental health programs

36. Forensic psychiatry:

- a. Law & psychiatry (MHCA 17, NDPS, RPWD)

PHASE WISE TEACHING PROGRAM AND CLINICAL POSTING

	Lectures	Clinical posting
III semester	24 hours	
V semester		25 days
VI semester	14 hours	
VIII semester	06 hours	40 days

TEACHING SCHEDULE

A. THEORY LECTURES

III Semester

Total no. of hours: 24

Sr. No.	Topic
1.	Introduction to behavioural psychology
2.	Learning & Conditioning
3.	Motivation
4.	Emotion & application to health
5.	Thinking & problem solving
6.	Cognitive processes & memory
7.	Intelligence
8.	Personality
9.	Patient doctor relationship
10.	Stress and coping
11.	Death, dying and bereavement
12.	Introduction & classification in Psychiatry
13.	Descriptive psychopathology: History & MSE
14.	Neurobiology of psychiatric disorders
15.	Schizophrenia & other psychotic disorder I
16.	Schizophrenia & other psychotic disorder II
17.	Bipolar affective disorders
18.	Depressive disorder
19.	Anxiety disorders
20.	Obsessive compulsive disorders
21.	Psychosomatic disorders
22.	Stress related disorders
23.	Somatoform disorders
24.	Dissociative disorders

VI Semester**Total no. of hours: 14**

Sr. No.	Topic
1.	Substance use disorders: general principals
2.	Alcohol use disorder
3.	Tobacco & cannabis use disorder
4.	Opioid use disorder & other psychoactive substances
5.	Behavioural addictions
6.	Neurocognitive disorder
7.	Personality disorders
8.	Eating disorders & non organic sleep disorders
9.	Sexuality and sexual disorders
10.	Geriatric psychiatry
11.	Child psychiatry: general principals
12.	Intellectual disability & Pervasive developmental disorders
13.	Hyperkinetic (ADHD) & disruptive behavioural disorders
14.	Scholastic backwardness & Specific Learning Disability

VIII Semester**Total no. of hours: 06**

Sr. No.	Topic
1.	Neuropsychiatry
2.	Psychiatric emergencies
3.	Biological therapies in psychiatry
4.	Psychotherapy: general principal
5.	Community psychiatry
6.	Forensic psychiatry

B. CLINICAL POSTINGS**V semester****Duration: 25 days**

Sr. No.	Topic
1.	Introduction & orientation to clinical psychiatry
2.	Principles of psychiatric history taking I
3.	Principles of psychiatric history taking II
4.	Empathy and rapport building
5.	Communication skills
6.	Clinical examination in psychiatry
7.	Mental status examination I
8.	Mental status examination II
9.	Case discussion of depressive disorder: History & MSE
10.	Case discussion of bipolar affective disorder: History & MSE
11.	Case discussion of schizophrenia: History & MSE
12.	Case discussion of anxiety disorders: History & MSE
13.	Case discussion of psychosomatic disorder: History & MSE
14.	Case presentation by students
15.	Case presentation by students
16.	Case presentation by students
17.	Case presentation by students
18.	Case presentation by students
19.	Case presentation by students
20.	Seminar
21.	Seminar
22.	Seminar
23.	Seminar
24.	Seminar
25.	Post ending exam

VIII Semester**Duration: 40 days**

Sr. No.	Topic
1.	Tutorial: Psychiatric History Taking
2.	Tutorial: Mental Status Examination
3.	Tutorial: Depressive disorder - History & MSE
4.	Case discussion Depressive disorder: Management
5.	Tutorial: Bipolar affective disorder - History & MSE

6.	Case discussion of bipolar affective disorder: Management
7.	Tutorial: Schizophrenia - History & MSE
8.	Case discussion of schizophrenia: Management
9.	Tutorial: Anxiety disorders – History & MSE
10.	Case discussion of anxiety disorders: Case management
11.	Tutorial: Psychosomatic disorder - History & MSE
12.	Case discussion of psychosomatic disorder: Case management
13.	Substance use disorder: History & MSE
14.	Case discussion Alcohol use disorder
15.	Case discussion Opioid use disorder
16.	Case discussion of Cannabis use disorder
17.	Case discussion Deliberate self-harm
18.	Case discussion Dementia
19.	Case discussion Dissociative disorder
20.	Case discussion OCD
21.	Case discussion Sexual dysfunction
22.	Case discussion Child psychiatry I (scholastic backwardness)
23.	Case discussion Child psychiatry II
24.	Psychoeducation of family members of patients with severe mental illnesses: DOAP
25.	ECT: DOAP
26.	Clinical psychology (observation) I
27.	Clinical psychology (observation) II
28.	Visit to Regional Mental Hospital
29.	Psychotherapy Part I
30.	Psychotherapy Part II
31.	Group therapy (observation)
32.	Case presentation by students
33.	Case presentation by students
34.	Case presentation by students
35.	Case presentation by students
36.	Case presentation by students
37.	Case presentation by students
38.	Presentation of student assignments
39.	Presentation of student assignments
40.	Post ending exam

ASSESSMENT PLAN

FORMATIVE ASSESSMENT

A. Internal assessment

Theory:

The theory examination will be conducted at the end of VI & VIII semester (with General Medicine paper II – Section B).

VI Semester: 20 marks

VIII Semester: 20 marks

Total 40 marks

Practical: At the end of clinical postings at V and VIII semester clinical postings - 30 marks each (Total- 60 marks)

IV / V Semester (25 days posting)	VI / VII Semester (40 days posting)
Total Marks: 30 convert out of 10	Total Marks: 40 convert out of 20
End-posting Examination Pattern: 1. 1 Case presentation (10 marks) 2. MCQ's (10 marks) 3. General Viva (10 marks)	End-posting Examination Pattern: 1. 1 Case presentation (15 marks) 2. OSCE's (10 marks) 3. MCQ's (10 marks) 4. Assignment (5 marks)

Total 30 marks

Pre professional examination (IX semester): To be conducted with General Medicine.

Theory (in General Medicine Paper II, Section B)	20 marks
Practical	Clinical Case 15 marks Viva Voce 5 marks

SUMMATIVE ASSESSMENT

Final professional examination will be conducted at the end of IX Semester with General Medicine paper.

Theory (in General Medicine Paper II, Section B)	20 marks
Practical	Clinical Case 15 marks Viva Voce 05 marks

Recommended books for reading:

Textbooks

1. Shorter Oxford Textbook of Psychiatry (Paul Harrison, Philip Cowen, Tom Burns, Mina Fazel)
2. A short textbook of Psychiatry (Niraj Ahuja)
3. Introduction to psychology (Morgan & King)

Reference books:

1. Comprehensive Textbook of Psychiatry (CTP) (Kaplan & Saddock)
2. New Oxford Textbook of Psychiatry Hardcover (John R. Geddes, Nancy C. Andreasen, Guy M. Goodwin)

General Medicine and Allied subjects (Dermatology, Psychiatry)

ASSESSMENT AND EXAMINATION

FORMATIVE ASSESSMENT

(1) Internal Assessment

Medicine					Psychiatry			Dermatology	
<i>III Sem</i>	<i>IV/V Sem</i>	<i>VI Sem</i>	<i>VIII Sem</i>	<i>Total</i>	<i>IV/V Sem</i>	<i>VI/VIII Sem</i>	<i>Total</i>	<i>VIII Sem</i>	<i>Grand Total</i>
25	25	150	150	350	10	20	30	20	400

* 50% of these are added to IX semester Pre-Professional Theory & Practical Marks each.

(2) Pre-Professional Examination (IXTH Sem.)

Theory		Practical		Grand Total
Theory Paper-I	100	Clinical Long Case	50	
Theory Paper-II	100	Short Case I	30	
		Spots	50	
		Viva Voce Gen Med	30	
		Psychiatry	15	
		Dermatology	15	
		Viva Voce Psy & Derma	10	
Total	200	Total	200	400

SUMMATIVE ASSESSMENT

(3) Final Examination

Theory (including Viva)		Practical		Grand Total
Theory Paper-I	100	Clinical Long Case	50	

Theory Paper-II	100	Short Cases (two) (25 +25) =	50
		Clinical Cases	
(Med-50, Psy -25, Dermat – 25)		Psychiatry	15
		Dermatology	15
		Viva Voce	10
		Spotting, X-ray, Instruments, ECG, Drugs, prescription	50
		Viva Voce Gen Med	10

Total	200	Total	200	400
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Final Professional Marks in Medicine:

	Theory	Practical	Total
Maximum Marks (I+II+III)	400	400	800
Minimum Marks for passing separately in Theory & Practical (50% each)	200	200	400

Assessment Plan in Detail

FORMATIVE ASSESSMENT

III Semester

Practical Exam : General Medicine -End of Posting exam of 50 marks after clinical posting.

Marks will be converted to 25

IV / V Semester

Practical Exam : General Medicine -End of Posting exam of 50 marks after clinical posting.

Marks will be converted to 25

V Semester

Practical Exam : Psychiatry – Clinical posting - End of Posting exam of 10 marks after clinical posting.

VI Semester

Practical Exam : End of Posting exam of 50 marks after clinical posting.

Theory Exam : Total =100 : Medicine (60) Psychiatry (20), Dermatology (20)

Section A – Medicine – 60 marks

Section B– Psychiatry – 20 marks

Section C – Dermatology – 20 marks

VII Semester

Practical Exam : Dermatology – 20 marks clinical assessments

VIII Semester

Practical Exam : General Medicine – End of Posting exam of 50 marks after clinical posting

Psychiatry –End of Posting exam of 20 marks after clinical posting.

Theory Exam : Total =100 : Medicine (80) Psychiatry (20)

Section A – Medicine – 80 marks

Section B– Psychiatry – 20 marks

PreProfessional Exam

Practical Exam : Total – 200 marks

General Medicine – 1 Long case of 50 Marks

1 short case of 30 Marks

Spots (ECG, Xray, Instruments, Drugs, Prescription) = 50 marks

Viva Voce (Gen Med) – 30 marks

Psychiatry – Clinical case– 15 marks

Dermatology – Clinical case– 15 marks

Viva Voce Psychiatry and Dermatology (5 maks each) – 10 Marks

Theory Exam : Total 100 Marks

Paper I – General medicine = 100 marks

Paper II – Section A – General medicine – 50 Marks

Section B – Psychiatry & Dermatology – 25 marks each

Internal assessment

Practical – (Term Exams 200 Marks + Preprofessional exam 200 marks) = $400/2 = 200$ Marks

Theory – (Term Exams 200 Marks + Preprofessional exam 200 marks) = $400/2 = 200$ Marks

SUMMATIVE ASSESSMENT

Professional Exam – Final Exam

Practical Exam : Total 200 marks

General Medicine

1 Long case of 50 Marks

2 short cases of 25 Marks each – Total 50 marks

Spots (ECG, Xray, Instruments, Drugs, Prescription) = 50 marks

Viva Voce Gen Medicine – 10 marks

Psychiatry – Clinical case– 15 marks

Dermatology – Clinical case– 15 marks

Viva Voce Psychiatry and Dermatology(Spots) (5 marks each) – 10 Marks

Theory Exam : Total 200 Marks

Paper I – General medicine = 100 marks

Paper II – Section A – General medicine – 50 Marks

Section B – Psychiatry – 25 marks

Section C -- Dermatology – 25 marks

Final Professional Marks in Medicine & Allied Subjects

Practical = 400 (IA 200 + Prof – 200)

Theory = 400 (IA 200 + Prof – 200)

Assessment Plan Summary in Gen Medicine & Allied subjects

Term	Subjects	Theory/Marks	Practical/Marks	Total	
				Theory	Practical
Third	Medicine	-	End of posting- 50 (25)		25
Fourth/Fifth	Medicine		End of posting- 50 (25)		25
Fifth	Psychiatry		End of posting- 10 (I)	-	10
Sixth	Medicine	Sec A – 60	End of posting- 50 (50)	100	50
	Psychiatry	Sec B – 20	-----		
	Dermatology	Sec C– 20	-----		
Seventh	Dermatology		End of posting- 20		20
Eighth	Medicine	Sec A – MCQs -20 Sec B – 60	End of posting- 50 (50)	100	50
	Psychiatry	Sec C – 20	End of posting- 20 (II)		
Total				200	200
Ninth (Preprof)	Medicine	Paper I General medicine - 100 Paper II Section A – General medicine -50	Clinical Exam -200 Long case -50 Short case - 30 Spots – 50 Viva Voce - 30	200	200
	Psychiatry	Section B – Psychiatry - 25	Clinical case– 15 Viva Voce – 05		
	Dermatology	Dermatology – 25	Clinical case– 15 Viva Voce – 05		
Internal Assessment	Convert Theory marks out of 200 Convert Practical marks out of 200			400 /2= 200	400/2 = 200

Term +Preprof (200)					
Professional (final)	Medicine	Paper I – General medicine = 100	Clinical Exam – 200 Long case – 50 Short case I -25 Short case II - 25 Spots - 50 (Xray, ECG, Instruments, Drugs, Prescription) Viva Voce - 10	200	200
	Psychiatry	Section B – Psychiatry -25	Clinical case– 15 Viva Voce - 05		
	Dermatology	Dermatology – 25	Clinical case– 15 Viva Voce - 05		
Final professional exam Marks	Theory: Internal Assessment (200) + Professional (200) = 400 Practical: Internal Assessment (200) + Professional (200) = 400			400	400

Thank You