

DPU

Dr. D. Y. PATIL VIDYAPEETH, PUNE
(DEEMED UNIVERSITY)

SYLLABUS
for
III - MBBS
(Part - II)

2014-15

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A decorative border consisting of two parallel lines forming a rectangular frame. The corners are embellished with a diamond-shaped motif where the lines meet.

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GENERAL MEDICINE

1. GOAL

To teach undergraduate MBBS students the subject of General medicine (theory and clinical) so that they develop knowledge, skills and behavioral attitudes to function effectively as the first contact physicians.

2. OBJECTIVES

The teaching shall be designed to fulfill the following objectives :-

a) Knowledge

1. At the end of the course the student shall have adequate knowledge to;diagnose common clinical conditions with special reference to infectious diseases, nutritional disorder, metabolic disorders and environmental disorders.
2. Propose diagnostic and investigative procedures and ability to interpret them;
3. Outline various modes of management including drug therapy especially doses, side effects, toxicity, indications, contraindications and interaction;
4. Provide first level management of acute emergencies promptly and efficiently and decide on the timing and level of referral if required;
5. Recognize geriatric disorders and their management.

b) Skills

At the end of the course the student should be able to;

1. Apply clinical skills of history taking, clinical examination to diagnose common medical disorders and medical emergencies;
2. Perform simple routine investigations like haemogram, stool, urine, sputum and other biological fluids;
3. To interpret simple X-Ray, ECG, CT scan and laboratory report findings;
4. Assist common bedside medical procedures like pleural tap, lumbar puncture, bone marrow

aspiration, catheterization, insertion of Ryle's tube etc.

5. Institute primary care and refer the patient to a higher care center if required

3. **ATTITUDE**

The student shall inculcate;

- 1 A sympathetic and compassionate attitude towards patient and their relatives;
- 2 A curiosity to learn about medical research
- 3 To correctly record case files, medical certificates

4. **INEGRATION**

- 1 With community medicine and physical medicine and rehabilitation to have the knowledge and be able to manage important current national health programmes also be able to view the patient in his / her total physical, social and economic milieu ;
- 2 With other relevant academic inputs which provides scientific basis of clinical medicine e.g., Anatomy, Physiology, Biochemistry, Microbiology, Patholgy and pharmacology.

5. **SYLLABUS**

I. GENERAL INSTRUCTION:

1. **The Lectures** Stated below shall cover knowledge about applied aspects of basic & allied sciences, practical approaches in the management of patients in the outdoor & indoor setting as well as their management in the community. Special emphasis shall be placed on preventive aspects, National Health Programs & dietetics & nutrition.)
2. **During practical teaching & training in wards, OPD & fields** works proper emphasis should be given to common health problems in addition to other diseases. Emphasis should be given to learning of tacit knowledge & skills in diagnosis & interpretation of finding & Lab. Data.

UG LECTURES & TUTORIALS LESSION PLAN

Sr. No.	4 th Semester Lectures Topic: Introduction & Symptomatology
1	History of Medicine Concept & Objective of Diagnosis <ul style="list-style-type: none"> • History of medicine from Hippocrates to present day developments • Diagnosis clinical, laboratory&itscorrelation
2	Medical Ethics <ul style="list-style-type: none"> • Principles of medical ethics • Doctor patients relationship • Communication skills • End of life care • Disclosure of diagnosis
3	History taking Differential Diagnosis <ul style="list-style-type: none"> • Detailed history taking form personal data chief complains history of presenting illness past/family history- significant of each • Differential diagnosis & approach to case
4	Cardio-vascular system (CVS Symptomatology) <ul style="list-style-type: none"> • Signs & symptoms of CVS & approach to case of CVS
5	Respiratory system (RS) Symptomatology <ul style="list-style-type: none"> • Signs & symptoms of respiratory system & approach to case of RS
6	Nervous system CNS Symptomatology <ul style="list-style-type: none"> • Signs & symptoms of CNS • Definition of different symptoms & approach a CNS case
7	Gastro intestinal tract (GIT) Symptomatology <ul style="list-style-type: none"> • Signs & symptoms of GIT diseases • Approach to case of GIT diseases
8	Hepatobiliary Symptomatology <ul style="list-style-type: none"> • Anatomy,signs, symptoms, approach to a case of hepatobiliary disease
9	Patient with fever – approach <ul style="list-style-type: none"> • Definition / types of fever/ approach to case of fever/PUO

Sr. No.	4 th Semester Lectures
	Topic: Introduction & Symptomatology
10	Patient with Anaemia <ul style="list-style-type: none"> • Definition of anaemia / classification / signs / symptoms / diagnosis / treatment / approach to case of anemia
11	Patient with Lymphadenopathy – Approach <ul style="list-style-type: none"> • Definition/generalized lymphadenopathy/ localized lymphadenopathy differential diagnosis
12	Investigation -I(Non Invasive) X-Ray USG CT MRI PBS <ul style="list-style-type: none"> • Importance of each investigations / technical details / indications / contra indications / recent advances
13	Investigation -II(Invasive) FNAC, LP, BM, LN, Liver biopsy <ul style="list-style-type: none"> • Indication / contra indications / methods of each surgical procedures
14	Review of common Diseases in India <ul style="list-style-type: none"> • Malaria/ TB / enteric fever etc short review
15	Approach to oedema <ul style="list-style-type: none"> • Definition of edema/causes / pathophysiology/approach to case of edema
16	Approach to jaundice <ul style="list-style-type: none"> • Definition of jaundice/clinical features / causes/ complications/ diagnosis / treatment/ approach/ differential diagnosis
17	Revision

Sr. No.	5 th Semester Lectures- 1
	Topic: Infection Diseases
1	Staphylococcus, infections <ul style="list-style-type: none"> • Skin infections, wound infections, cannula related infections, MRSA • Staph toxic shock syndrome and management Streptococcal infections <ul style="list-style-type: none"> • Skin infections, scarlet fever, toxic shock syndrome, related infections, management

Sr. No.	5 th Semester Lectures- 1
	Topic: Infection Diseases
2	Typhoid Fever <ul style="list-style-type: none"> • Causative agents • Epidemiology • Pathogenesis • Clinical features • Complication • Investigations • Management
3	Gastroenteritis & Cholera <ul style="list-style-type: none"> • Causative agents • Epidemiology • Clinical features • Complications • Investigations • Prevention
4	Tetanus / Leptospirosis <ul style="list-style-type: none"> • Epidemiology • Pathogenesis • Clinical features • Complications • Prevention
5	Anthrax, brucellosis, plague. <ul style="list-style-type: none"> • Causative agents microbiology • Epidemiology • Pathogenesis • Clinical features • Complications • Treatment • Prevention
6	Leprosy <ul style="list-style-type: none"> • Types • Definition • Investigation • Complication

Sr. No.	5 th Semester Lectures- 1
	Topic: Infection Diseases
	Management
7	Syphilis <ul style="list-style-type: none"> • Causative agent • Epidemiology • Pathogenesis • Stages of syphilis • Clinical features of each stage. • Complications • Treatment • Prevention
8	Malaria <ul style="list-style-type: none"> • Causative agents • Epidemiology • Pathogenesis • Clinical features • Investigation • Management
9	Amoebiasis& Amoebic Liver Abscess& Kala Azar <ul style="list-style-type: none"> • Causative agents microbiology • Epidemiology,Pathogenesis • Clinical featuresandComplications • Treatment • Prevention
10	Filariasis/worm infestations <ul style="list-style-type: none"> • Causative agents • Epidemiology • Pathogenesis • Clinical features • Complications • Investigations • Management

Sr. No.	5 th Semester Lectures- 1
	Topic: Infection Diseases
11	Measles, mumps, chicken pox, herpes simplex, herpes zoster. <ul style="list-style-type: none"> • Causative agents • Epidemiology • Pathogenesis • Clinical features • Complications • Investigations • Management
12	Dengue, Chikungunya, Yellow fever <ul style="list-style-type: none"> • Causative agents • Epidemiology • Pathogenesis • Clinical features • Investigations • Complications and Management
13	HIV <ul style="list-style-type: none"> • Clinical examination, • Epidemiology and biology (Modes of transmission), • Natural history, • Classification, • Problems, • Management
14	Polio, rabies, Japanese encephalitis <ul style="list-style-type: none"> • Causative agent • Epidemiology • Pathogenesis, Complication • Investigations • Management
15	Rickettsial infection <ul style="list-style-type: none"> • Causative agent • Epidemiology • Pathogenesis, Complication • Investigations • Management
16	New emerging infections- H1N1, SARS, Bird flu

Sr. No.	5 th Semester Lectures- 1
	Topic: Infection Diseases
	<ul style="list-style-type: none"> • Clinical features • Investigations • Management • Preventions
17	Antibiotic resistance <ul style="list-style-type: none"> • Mechanisms • Causes • Types
18	Fever of unknown origin <ul style="list-style-type: none"> • Clinical assessment • Etiology • Investigations
19	Febrile neutropenia, fever in immunocompromised <ul style="list-style-type: none"> • Definition • Investigations • treatment
20	Revision

Sr. No.	5 th Semester Lectures- 2
	Topic: Cardiovascular System (CVS)
1	Introduction –CVS& clinical examination <ul style="list-style-type: none"> • Anatomy physiology of CVS
2	CVS - Method of Evaluation - Non invasive CVS <ul style="list-style-type: none"> • ECG • 2DECHO • X ray chest • Stress test • CAG
3	Arrhythmias <ul style="list-style-type: none"> • Tachyarrhythmias • Bradyarrhythmias

Sr. No.	5 th Semester Lectures- 2
	Topic: Cardiovascular System (CVS)
4	Congestive Cardiac Failure, LVF <ul style="list-style-type: none"> • Clinical features • Investigation • Treatment • Complications of Treatment
5	Cong Heart Diseases Aetiology, Classification CHD in Adults <ul style="list-style-type: none"> • Foetal heart circulation • Cyanotic heart disease • Acyanotic heart disease
6	Rheumatic Fever <ul style="list-style-type: none"> • Clinical features • Investigations • Treatment • Complications
7	Valvular heart diseases (MS,MR,TR)- Part- I <ul style="list-style-type: none"> • Haemodynamic- clinical features • Investigation • Complications • Treatment
8	Valvular heart diseases (AS,AI) - Part- II <ul style="list-style-type: none"> • Haemodynamic- clinical features • Investigation • Complications • Treatment
9	Infective Endocarditis <ul style="list-style-type: none"> • Clinical features • Investigation • Treatment • Complications
10	Coronary Artery Disease <ul style="list-style-type: none"> • Definition etiology, pathophysiology, clinical features, investigations, diagnosis & management

Sr. No.	5th Semester Lectures- 2
	Topic: Cardiovascular System (CVS)
11	Myocardial Infarction, Angina pectoris. <ul style="list-style-type: none"> • Definition, etiology, pathophysiology, clinical features, investigations, diagnosis & management, Complications
12	Cardiomyopathy <ul style="list-style-type: none"> • Definition, etiology, types, pathophysiology, clinical features, investigations, diagnosis, management
13	Pericardial Disease <ul style="list-style-type: none"> • Definition, etiology, pathophysiology, clinical features, investigations, diagnosis, management, deferential diagnosis & complication
14	Hypertension I <ul style="list-style-type: none"> • Definition , JNC classification, causes, secondary causes investigation
15	Hypertension II <ul style="list-style-type: none"> • Management, treatment individual drugs with doses & contra indication, Treatment of complications, prevention of complications
16	Diseases of aorta and peripheral blood vessels. <ul style="list-style-type: none"> • Aortic aneurysm, aortic dissection(etiology, types, clinical features, treatment, management) • Atherosclerosis. • Acute & Chronic upper & lower limb ischaemia.
17	Revision

Sr. No.	6th Semester Lectures
	Topic: GIT / Liver
1	Diseases of oral cavity, aphthos ulcer <ul style="list-style-type: none"> • Aphthos ulcer differential diagnosis, etiology, management • Haematemesis causes & management • Malena causes & management

Sr. No.	6 th Semester Lectures
	Topic: GIT / Liver
2	Oesophagus Anatomy & physiology of deglutition dysphasia, GERD, Achlasia cardiac Reflux oesphagitis <ul style="list-style-type: none"> • Oesophagus Anatomy • Reflux oesphagitis- etiology, types management • Achlasia cardiac GERD etiology, presentation, management
3	Heametmesism&Maleana <ul style="list-style-type: none"> • D/D • management
4	Disease of Stomach - Peptic Ulcer, Acute & Chronic Gastritis, malignancies Peptic ulcer- types, etiology, symptoms, investigation & Management
5	Diseases of Small Intestine – <ul style="list-style-type: none"> • Anatomy Secretions, Functions , Malabsorption Syndrome
6	IBD <ul style="list-style-type: none"> • Definition, presentation etiology & management • Ulcerative Collitis – Crohn’s Disease; other diseases of large intestine • Definition, presentation etiology , management & complications
7	IBS <ul style="list-style-type: none"> • definition, presentation etiology & management
8	Tuberculosis abdomen <ul style="list-style-type: none"> • Types • management
9	Jaundice <ul style="list-style-type: none"> • D/D, • bilirubin metabolism & LFT

Sr. No.	6 th Semester Lectures
	Topic: GIT / Liver
10	Acute & Chronic Hepatitis -1 <ul style="list-style-type: none"> • Etiology • Pathology • Clinical features • Complication • Management
11	Acute & Chronic Hepatitis -2 <ul style="list-style-type: none"> • Etiology • Pathology • Clinical features • Complication • Management
12	Cirrhosis of Liver - I Aetiopathogenesis, clinical Features & Diagnosis
13	Cirrhosis of Liver - II <ul style="list-style-type: none"> • Management • Complications including portal hypertension.
14	Acute pancreatitis <ul style="list-style-type: none"> • Etiology • Pathology • Clinical features • Complication • Management
15	Chronic pancreatitis <ul style="list-style-type: none"> • Etiology • Pathology • Clinical features • Complication • Management
16	Disease of gall bladder <ul style="list-style-type: none"> • Etiology • Clinical Features • Management
17	REVISION

Sr. No.	6 th Semester Lectures
	Topic: Respiratory System
1	Approach to haemoptysis <ul style="list-style-type: none"> • Definition • Causes • Management
2	Bronchial asthma <ul style="list-style-type: none"> • Epidemiology • Etiology • Pathology • Clinical features • investigations • Management
3	COPD <ul style="list-style-type: none"> • Etiology • Pathology • Clinical features • investigations • Management
4	Tropical eosinophilia <ul style="list-style-type: none"> • Definition • Etiology • types • Treatment
5	Occupational lung diseases <ul style="list-style-type: none"> • Occupational airway disease • Pneumoconioses • Asbestosis related lung and pleural disease • Lung diseases due to organic dust • Occupational lung cancer • Occupational pneumonia
6	Pulmonary thromboembolism <ul style="list-style-type: none"> • clinical features • risk factors • diagnosis • management

Sr. No.	6 th Semester Lectures
	Topic: GIT / Liver
7	Sleep disordered breathing <ul style="list-style-type: none"> • etiology • clinical features • investigations • mangement
8	Mediastinal syndrome <ul style="list-style-type: none"> • clinical features • investigations
9	Carcinoma lung <ul style="list-style-type: none"> • risk factors • pathology • clinical features • investigations • management
10	Pleural effusion <ul style="list-style-type: none"> • Types • Causes • Clinical features • investigations • Management.
11	Pneumothorax <ul style="list-style-type: none"> • types • causes • treatment
12	Interstitial lung diseases <ul style="list-style-type: none"> • diffuse parenchymal lung disease • systemic inflammatory disease • pulmonary eosinophilia &vascutides • lung diseases due to irradiation drugs. • Rare ILD
13	REVISION

Sr. No.	6 th Semester
	Tutorial
1	<p>Blood Transfusion & Components Therapy</p> <ul style="list-style-type: none"> • Types, indications, contra indication, adverse effects <p>Blood components- eg :platelets, FFPs RDP's, cryoprecipitate</p>
2	<p>Obesity</p> <ul style="list-style-type: none"> • Problems of obesity with changed life style • Various causes of obesity • Anthropometric measurements • Complication of obesity, • treatment options <p>Metabolic syndrome</p> <ul style="list-style-type: none"> • definition • management
3	<p>Protein - Energy Malnutrition, anorexia nervosa</p> <ul style="list-style-type: none"> • PEM in adults • Methods to diagnose of PEM • Treatment of PEM <p>Vitamin Deficiency States Beri - Beri, Pellagra, Scurvy, Vitamin A Deficiency, Thiamine Deficiency</p> <ul style="list-style-type: none"> • Vitamin defficiency in adults • Common vit difficiencies in adults • Signs , syptoms & treatment
4	<p>Acid base disorders</p> <ul style="list-style-type: none"> • Metabolic acidosis & alkalosis. • Respiratory acidosis & alkosis. • Mixed acid base disorders. • Anionic gap disorders.
5	<p>Hyponatremia & hypernatremia</p> <ul style="list-style-type: none"> • Definition • Approach • Types • Managment
6	<p>Hypokalemia & hyperkalemia</p> <ul style="list-style-type: none"> • Approach • Causes

Sr. No.	6 th Semester
	Tutorial
	<ul style="list-style-type: none"> • Ecg changes • Management
7	Hypertensive emergencies <ul style="list-style-type: none"> • Etiology • Types • Investigations • Management
8	Approach to dyspnoea <ul style="list-style-type: none"> • d/d • acute exertional • chronic exertional
9	Approach to polyarthritis <ul style="list-style-type: none"> • causes • clinical features • investigations • management
10	Fever with Rash <ul style="list-style-type: none"> • macular • maculopapular • vesicular, purpurial, petechial. • erythema multiforme • erythema nodosum • diffuse erythema • migrating erythema
11	Pulmonary function tests. <ul style="list-style-type: none"> • Methods • Measurements • Lung volumes • Transfer factor • Arterial blood gas analysis • Exercise test
12	Complementary medicine <ul style="list-style-type: none"> • Safety • Regulation

Sr. No.	6 th Semester
	Tutorial
	<ul style="list-style-type: none"> • Evidence • Integrated health care
13	Acute severe asthma <ul style="list-style-type: none"> • Clinical features • Investigations • Management
14	Revision

Sr. No.	7 th Semester Lectures
	Topic: Hematology & Rheumatology
1	Approach & Investigations to a Patients with Joint Disease <ul style="list-style-type: none"> • Clinical approach Physical examination, investigations, management
2	Rheumatoid Arthritis <ul style="list-style-type: none"> • Etiology, • Genetic background, • Pathogenesis, criteria for diagnosis, radiological features, clinical features, extra articular manifestation, • Investigations & management DMARD's, newer drugs
3	Seronegative Spondyloarthropathies <ul style="list-style-type: none"> • Classification • Types • Investigations • Clinical approach • Management
4	Collagen vascular diseases – 1 <ul style="list-style-type: none"> • SLE • Systemic sclerosis • MCTD • Sjogrens syndrome • Polymyositis, • Dermatomyositis, inclusion body myositis.

Sr. No.	7 th Semester Lectures
	Topic: Hematology & Rheumatology
5	Collagen vascular diseases – 2 <ul style="list-style-type: none"> • Takayasu • Kawasakis • Polyarteritis nodosa • Giant cell arteritis • ANCA associated vasculitis • Churg Strauss syndrome, Henoch-Schönlein purpura • Cryoglobulinemic vasculitis, Behçet's and relapsing.
6	Gout & Pseudogout <ul style="list-style-type: none"> • Etiology • Clinical features • Treatment Osteoarthritis <ul style="list-style-type: none"> • Etiology • Clinical features • Treatment
7	Classification of Anemia & Approach to Investigation <ul style="list-style-type: none"> • Types of anemia physiology clinical approach
8	Iron Deficiency Anemia & Hypochromic Microcytic Anaemias <ul style="list-style-type: none"> • Causes of IDA • Clinical features • Lab diagnosis • Treatment of IDA • Parenteral & oral preparation
9	Megaloblastic Anaemia <ul style="list-style-type: none"> • Classification & causes of megaloblastic anaemia lab diagnosis bone marrow findings, pernicious anaemia management
10	Haemolytic Anaemia <ul style="list-style-type: none"> • Classification of hemolytic anaemia • G6PD deficiency hereditary spherocytes • Sickle cell syndrome- clinical features, complications management

Sr. No.	7 th Semester Lectures
	Topic: Hematology & Rheumatology
11	Haemoglobinopathies <ul style="list-style-type: none"> • Thalasemiaalfa& beta clinical features & management • PNH hereditary & acquired
12	Acute Leukemia's <ul style="list-style-type: none"> • ALL- FAB classification physical examination • Clinical features- complications prognosis index • Management of ALL & ANL
13	Chronic Leukemia's <ul style="list-style-type: none"> • CML genetics- diagnosis, clinical features • Prognosis management • Recent advances
14	Lymphomas-Hodgkins&Non Hodgkin's Disease <ul style="list-style-type: none"> • Classification- pathology, clinical approach bone marrow finding • Investigation & management
15	Bleeding Disorders <ul style="list-style-type: none"> • Physiology of coagulation • Clinical approach • Lab investigations • Diagnosis • Complications, DIC, management • Blood component therapy
16	Coagulation disorders <ul style="list-style-type: none"> • Physiology of coagulation • Clinical approach • Lab investigations • Diagnosis
17	Blood Group : Blood Transfusion & Components Therapy <ul style="list-style-type: none"> • Types, indications, contra indication, adverse effects • Blood components- platelets, FFPs
18	Myeloproliferative&myelodysplastic syndromes <ul style="list-style-type: none"> • Classification • Management
19	Revision

Sr. No.	7 th Semester Lectures
	Topic: Nervous System
1	Introduction, applied Anatomy & Physiology of Brain & Spinal Cord <ul style="list-style-type: none"> • Localising lesions in the brainstem
2	History taking in Neurology & Investigation <ul style="list-style-type: none"> • Neuroimaging • Neurophysiological testing
3	Coma, Causes & Investigations <ul style="list-style-type: none"> • Definition • History taken and examination in a patient with coma • Diagnosis and Management
4	CVA -1 <ul style="list-style-type: none"> • Blood supply to brain • Circle of Wills • Clinical presentation
5	CVA-2 <ul style="list-style-type: none"> • Concepts Types & Differential predisposing factors • Diagnosis & Management • Types of cerebrovascular disorders • Risk factors • Diagnosis
6	Space Occupying Lesions, Brain abscess&tumour <ul style="list-style-type: none"> • Etiology • Clinical features • Investigation & Management
7	Encephalitis <ul style="list-style-type: none"> • Etiology of encephalitis • Clinical features • Investigation & management • Management
8	meningitis <ul style="list-style-type: none"> • Etiology of meningitis • Clinical features • Management
9	Epilepsy <ul style="list-style-type: none"> • Classifications

Sr. No.	7 th Semester Lectures
	Topic: Hematology & Rheumatology
	<ul style="list-style-type: none"> • Different types • Investigations • Management- (neptpal status epilepticus)
10	Parkinsonism <ul style="list-style-type: none"> • Etiology • Clinical features • Management
11	Cerebellar Syndrome <ul style="list-style-type: none"> • Etiology • Clinical features • Management
12	Demylinating Disorders, Multiple Sclerosis, Heridofamilial disorders & Motor Neuron Disease <ul style="list-style-type: none"> • Causes of demylination disorders • Common Heridofamilial disorders • Etiology, clinical features and management of Multiple Sclerosis & Motor Neuron Disease
13	Extrapyrmidal disorders <ul style="list-style-type: none"> • Types • Clinical features Movement disorders. <ul style="list-style-type: none"> • Different types of Involuntary Movements • Etiology, management
14	Toxic & Nutritional disorders of CNS <ul style="list-style-type: none"> • Etiology • Clinical features • Management
15	Spinal Cord Disorders & Paraplegia & Quadriplegia <ul style="list-style-type: none"> • Compressive myelopathy- etiology, clinical features & Management • Non compressive myelopathy
16	Peripheral Neuropathy & GB Syndrome <ul style="list-style-type: none"> • Etiology of Peripheral Neuropathy • Clinical features • Investigation & management

Sr. No.	7 th Semester Lectures
	Topic: Hematology & Rheumatology
	GB syndrome <ul style="list-style-type: none"> • etiology clinical features & Management
17	Muscle Disorders in Brief & Myasthenia Gravis <ul style="list-style-type: none"> • Types of myopathies including congenital, Metabolic, inflammatory & others • Clinical features & Management Myasthenia Gravis <ul style="list-style-type: none"> • etiology ,clinical features & Management
18	Revision

Sr. No.	8 th Semester Lectures- 1
	Topic: Nephrology
1	Genetic Disorders – introduction, common genetic disorders & prevention <ul style="list-style-type: none"> • Importance of genetics • Structure of chromosome & gene • Identification of genetic disease • Methods to prevention.
2	Immunology, anatomy, & physiology of immune system. <ul style="list-style-type: none"> • Innate immunity • Adaptive
3	Immune deficiency, SIRS <ul style="list-style-type: none"> • Presenting problems • Recurrent infections • Primary phagocyte deficiency • Complement pathway deficiency • Primary deficiencies of adaptive immune system • Secondary immune deficiency.
4	Cancer & chemotherapy <ul style="list-style-type: none"> • Hallmarks • Environmental and genetic determinants • Investigations • Presenting problems • Complications of cancer • Therapeutics in oncology

Sr. No.	8 th Semester Lectures- 1
	Topic: Nephrology
5	Human genome & Genetic Engineering <ul style="list-style-type: none"> • Human genome project • Lab methods utilized in genetics • Concept of genetic engineering • Present & future of genetic engineering
6	Protein - Energy Malnutrition, anorexia nervosa <ul style="list-style-type: none"> • PEM in adults • Methods to diagnose of PEM • Treatment of PEM
7	Vitamin Deficiency States Beri - Beri, Pellagra, Scurvy, Vitamin A Deficiency, Thiamine Deficiency <ul style="list-style-type: none"> • Vitamin deficiency in adults • Common vit deficiencies in adults • Signs , symptoms & treatment
8	Obesity <ul style="list-style-type: none"> • Problems of obesity with changed life style • Various causes of obesity • Anthropometric measurements • Complication of obesity • Treatment options
9	Balanced Diet & Diet in Various Disorders <ul style="list-style-type: none"> • Concept of balanced diet • Diets recommended in various medical disorders
10	Fluid and electrolyte disorders <ul style="list-style-type: none"> • Water & electrolyte distribution • Investigation of water & electrolytes • Disorders of sodium balance • Disorders of water balance • Disorders of potassium balance
11	Applied Anatomy, Physiology of Urinary System and Renal function Tests <ul style="list-style-type: none"> • In brief anatomy & physiology of renal system • Laboratory investigation • Radiological investigations in renal system

Sr. No.	8 th Semester Lectures- 1
	Topic: Nephrology
12	Proteinuria, Haematuria, Renal Colics : Approach <ul style="list-style-type: none"> • Proteinuria- etiology, investigation, management • Hematuria- etiology, investigation, management
13	Acute Glomerulonephritis <ul style="list-style-type: none"> • Etiology, • Pathogenesis • Investigation • Management
14	Nephrotic Syndrome <ul style="list-style-type: none"> • Clinical features, • Differential diagnosis • Management
15	Acute kidney injury <ul style="list-style-type: none"> • Causes • Complication • Treatment of renal failure
16	Chronic kidney disease <ul style="list-style-type: none"> • Clinical presentation • Complication of CRF • Treatment & prevention
17	Dialysis & Renal Transplant <ul style="list-style-type: none"> • Hemodialysis • Peritoneal dialysis • Renal transplantation
18	Infections of the Urinary System <ul style="list-style-type: none"> • Upper & lower UTI • Evaluation • Treatment
19	Tubulo- interstitial diseases <ul style="list-style-type: none"> • Etiology • Clinical features • Management
20	Revision

Sr. No.	8 th Semester Lectures- 2
	Topic: Endocrinology
1	<p>Approach to patient with Endocrine Disorders</p> <ul style="list-style-type: none"> • Anatomy of various glands • physiology of glands • Action of Hormones • Common symptoms
2	<p>Applied Anatomy of Pituitary and Disorders of Pituitary – I</p> <ul style="list-style-type: none"> • Anatomy of pituitary gland • Physiology of hormones secreted by anterior pituitary gland • Prolactinoma • Microadenoma • Macroadenoma • Acromegaly
3	<p>Applied Anatomy of Pituitary and Disorders of Pituitary – II</p> <ul style="list-style-type: none"> • Anatomy • Physiology of posterior pituitary gland • SIADH • Diabetes insipidus • Treatment
4	<p>Thyroid Disorders – I</p> <ul style="list-style-type: none"> • Anatomy of thyroid gland • Physiology of thyroid gland with common signs and symptoms of hypothyroidism, lab diagnosis • Treatment of hypothyroidism • Autoimmune thyroiditis
5	<p>Thyroid Disorders – II</p> <ul style="list-style-type: none"> • Hyperthyroidism & thyroid malignancies & treatment • Subclinical hypothyroidism and hyper thyroidism
6	<p>Disorders of Adrenal gland – I</p> <ul style="list-style-type: none"> • Adrenal gland anatomy • Physiology & action of adrenal gland hormones • Cushing disease • Treatment
7	<p>Disorders of Adrenal gland – II</p> <ul style="list-style-type: none"> • Addisons disease

Sr. No.	8 th Semester Lectures- 2
	Topic: Endocrinology
	<ul style="list-style-type: none"> • Pheochromocytoma • Treatment • Adrenal crisis
8	Vitamin D Metabolism Parathyroid Disorders with calcium metabolism -I <ul style="list-style-type: none"> • Vit D metabolism • Hyperparathyroidism • Hypoparathyroidism • Osteoporosis
9	Vitamin D Metabolism Parathyroid Disorders with calcium metabolism –II <ul style="list-style-type: none"> • Hypercalcemia • Hypocalcemia • Familial hypocalciurichypercalcemia
10	Osteomalacia, Osteopetrosis & Rickets <ul style="list-style-type: none"> • Causes , Clinical Features & treatment osteomalacia, rickets • Causes, types, Pathophysiology, osteoporosis & Treatment
11	FSH, Estrogen, Progesterone & their Disorders <ul style="list-style-type: none"> • Physiology of FSH, Estrogen, Progesterone secretion • Disorders due to hypo and hyper secretion of FSH, Estrogen, Progesterone
12	Gynaecomastia , hirsutism <ul style="list-style-type: none"> • Causes • Factors associated • Management Turners syndrome, klinefelters syndrome. <ul style="list-style-type: none"> • Genetics • Early detection.
13	Testicular disorders & male hypogonadism <ul style="list-style-type: none"> • Clinical features • Investigations • Infertility • Androgen replacement therapy and management

Sr. No.	8th Semester Lectures- 2
	Topic: Endocrinology
14	Neuroendocrine tumours and MEN <ul style="list-style-type: none"> • Multiple endocrine neoplasia type 1(werners) and type 2(sipples) • Autoimmune polyendocrine syndromes (APECED, schmidt's)
15	Diabetics Mellitus –I <ul style="list-style-type: none"> • Etiology, theories • Genetic in heritage • Management of type I DM • DKA
16	Diabetics Mellitus –II <ul style="list-style-type: none"> • Insulin resistance, syndrome x • OHA/ insulin • Complications
17	Revision

Sr. No.	8th Semester
	Tutorial & Seminar Programme
1	Poisoning -I <ul style="list-style-type: none"> • Different types of poisoning • Classification of Poisonous agents
2	Poisoning -II <ul style="list-style-type: none"> • First Aid measures • Decontamination removal of poisons • Organophosphorus poisons, opium, alcohol, etc
3	Animal bites <ul style="list-style-type: none"> • Classification of poisons snakes • Clinical features • Management • Complications • Scorpion bite clinical features, management.

Sr. No.	8 th Semester
	Tutorial & Seminar Programme
4	ECG – I <ul style="list-style-type: none"> • Simplest, cheapest, easily available, noninvasive, investigation, physiology of myocardial contraction, action potential conducting system of heart, lead systems, intervals, rhythm & heart rate
5	ECG – II <ul style="list-style-type: none"> • Acute coronary syndrome • Stable CAD, TMT
6	ECG – III <ul style="list-style-type: none"> • Arrhythmias • AV blocks • AF, SVT etc
7	X-Ray Chest <ul style="list-style-type: none"> • Normal chest x ray PA view , AP view, lateral view, decubitus view Pneumonia • Lung abscess • Pleural effusion • Cavitory lesion
8	Other X-Rays & imaging procedures - USG <ul style="list-style-type: none"> • CT Scan • MRI
9	Pleural Tap ICD, Pleural Fluid & PFT <ul style="list-style-type: none"> • Indications • Procedures & precautions • Complications • PFT- obstructive and restrictive lung disease
10	Liver biopsy, LFT, Jaundice evaluation & Ascitic fluid Interpretation, anaphylaxis <ul style="list-style-type: none"> • Indications • Procedures • Contraindications • LFT- Different tests, • Ascitic fluid toppins - Indications & Procedure

Sr. No.	8 th Semester
	Tutorial & Seminar Programme
11	Haematology reports - analysis, Bone marrow report <ul style="list-style-type: none"> • Types of anemia • Acute lymphoblastic leukemia • Acute myeloblastic leukemia • Chronic myeloid leukemia • Chronic lymphocytic leukemia • Multiple myeloma
12	Shock, <ul style="list-style-type: none"> • Definitions • Types of shock • Etiology • Management
13	IV Fluids, ABG CVP <ul style="list-style-type: none"> • Types of IV fluids and indications • ABG- metabolic/ respiratory, acidosis, metabolic/ respiratory alkalosis • CVP- indication, procedures, contra indication
14	CSF - Anatomy & Physiology, interpretation <ul style="list-style-type: none"> • Indication & contra indications of LP • Meningitis's Pyogenic, TB, Viral & SAH
15	Uranalysis, RFT, Kidney biopsy <ul style="list-style-type: none"> • Albuninurea, glycosuria • Puscells, RBC, culture • Kidney biopsy
16	Electrical injury hyperpyrexia, heat exhaustion & hyperthermia <ul style="list-style-type: none"> • Temperatures regulation • Hyperthermia • Heart stroke- heat exhaustion • Electrical injury
17	Revision

Sr. No.	9 th Semester
	Lecture Cum Demonstration
1	Alcohol related diseases <ul style="list-style-type: none"> • Acute intoxication, alcohol abuse, misuse, dependence • Alcohol withdrawal • Medical consequences (neurological, hepatic, gastrointestinal, respiratory, cardiac etc) • Psychiatry and cerebral consequences
2	Approach to anaphylaxis <ul style="list-style-type: none"> • Clinical assessment • Causes • Differential diagnosis • Investigations • Management • Prescription of self injectable adrenaline
3	Status epilepticus <ul style="list-style-type: none"> • Definition • Diagnosis • Management • Investigations
4	Vertigo ,dizziness, giddiness <ul style="list-style-type: none"> • Definitions • Causes • History, examination. • BPPV, acute prolonged vertigo • Treatment
5	Approach to headache <ul style="list-style-type: none"> • General principles • Anatomy and physiology of headache • Clinical evaluation • Types • Causes • Management

Sr. No.	9 th Semester
	Lecture Cum Demonstration
6	<p>Approach to diarrhea</p> <ul style="list-style-type: none"> • Definition • Acute diarrhea- causes,pathological organisms, investigations, management • Chronic diarrhea- causes,pathological organisms, investigations, management • Clinical evaluation • Management
7	<p>Approach to chest pain</p> <ul style="list-style-type: none"> • Clinical evaluation • Causes (cardiac, respiratory, gastrointestinal, musculoskeletal etc) • Investigations • Management
8	<p>Disaster management –I</p> <ul style="list-style-type: none"> • Types (natural, environmental, complex, pandemic) • Disaster prevention • Disaster preparedness
9	<p>Disaster management-II</p> <ul style="list-style-type: none"> • Disaster relief. • Disaster recovery. • Use of resources • Triage
10	<p>Approach to dementia</p> <ul style="list-style-type: none"> • Aetiology (vascular, degenerative, neoplastic, inflammatory,traumatic, toxic, inflammatory) • Clinical features • Investigations • Management • Alzheimers disease, lewy body dementia
11	<p>Sudden death syndromes</p> <ul style="list-style-type: none"> • causes cardiac/noncardiac • Prevention, early detection.

Sr. No.	9 th Semester
	Lecture Cum Demonstration
12	Medical diseases in pregnancy <ul style="list-style-type: none"> • Hypertension • Diabetes mellitus in pregnancy • Pre eclampsia • Hyperthyroidism in pregnancy • Deep vein thrombosis.
13	Travel Medicine <ul style="list-style-type: none"> • International travel and health • Disease information • Vaccines • Travel health risks • General precautions
14	Adult immunization <ul style="list-style-type: none"> • Mumps measles and rubella • Pneumococcal vaccines • Influenza • Tetanus and others. • Recent advances and newer vaccines.
15	Brain death <ul style="list-style-type: none"> • Criteria for brain death • Tests for confirming brain death • Clinical evaluation
16	Skin manifestation in systemic diseases <ul style="list-style-type: none"> • Various skin manifestations in infections and malignancies. • Skin problems in general medicine (vasculitis, tuberous sclerosis, neurofibromatosis etc) • Skin problems associated with (CVS,RS,CNS, P/A)
17	Paraneoplastic syndromes <ul style="list-style-type: none"> • Peripheral; neuropathy • Encephalomyelitis • Cerebellar degeneration • Lambert eaton syndrome
18	Revision

Sr. No.	9 th Semester
	Tutorial Programme
1	Malaria & Kalazar <ul style="list-style-type: none"> • Life cycle of malarial parasite & leishmaniasis • Clinical features of vivax, falcifarum malaria, kalazar • Complication of falciparaum malaria, & kalazar • Management of malaria & kalazar
2	HIV – I <ul style="list-style-type: none"> • Biology of HIV virus, Prevalance of HIV, acute HIV syndrome • Early & late magnification of HIV disease • Diagnosis of HIV & follow up
3	HIV – II <ul style="list-style-type: none"> • Opportunistic infections in HIV • Malignancy in HIV • Antiretroviral drugs, treatment strategy • Postexposure prophylaxis
4	Dengue, Chikungunya <ul style="list-style-type: none"> • Causative agents • Epidemiology • Pathogenesis • Clinical features • Complications • Investigations • Management
5	Leptospirosis ,plague <ul style="list-style-type: none"> • Causative agents • Epidemiology • Pathogenesis • Clinical features • Complications • Investigations • Management
6	Extrapulmonary tuberculosis <ul style="list-style-type: none"> • Clinical presentations • Investigations • Management

Sr. No.	9 th Semester
	Tutorial Programme
7	PUO <ul style="list-style-type: none"> • Definition • Classification • Cause of PUO • Investigation
8	Diabetes Mellitus – I <ul style="list-style-type: none"> • Etiology, theories • Genetic inheritance • Management of type I DM • Diabetic keto acidosis
9	Diabetes Mellitus – II <ul style="list-style-type: none"> • Insulin resistance, syndrome x • OHA/ insulin • Complications
10	Acute coronary syndromes <ul style="list-style-type: none"> • Clinical features • Investigations • Management
11	Respiratory Failure <ul style="list-style-type: none"> • Definition • Types of respiratory failure • Causes of respiratory failure • Management
12	Valvular Heart Disease -I <ul style="list-style-type: none"> • Etiology of valvular heart disease • Clinical features of MS MR Investigations • Complications
13	Valvular Heart Disease II <ul style="list-style-type: none"> • Etiology of valvular heart disease • Clinical features of AS AR TR • Investigations • Complications

Sr. No.	9 th Semester
	Tutorial Programme
14	CCF <ul style="list-style-type: none"> • Definition of CCF • Type of failure • Clinical features • Management of CCF
15	Hypertension <ul style="list-style-type: none"> • Definition , • JNC classification, • causes, • secondary causes • investigation • Management
16	Revision

Sr. No.	9 th Semester Lecture Programme
	Topic: Ethics/ Geriatrics Medicine, Life Support Ventilation
1	Sudden death, issues in organ transplant <ul style="list-style-type: none"> • Sudden death; causes cardiac/noncardiac, use of defibrillators • Organ transplant; bioethical issues, types of transplant
2	Ethics in Medicine <ul style="list-style-type: none"> • Consent • Medical negligence • Medical- consumer protection act • Ethics in medicine; definition, values in ethics, consent, confidentiality, medical research
3	Medicolegal aspects, consumer protection act, medical insurance
4	Medical documentation, Death certificate & other certifications <ul style="list-style-type: none"> • Doctors records. Electronic database • Death certificate; nature & medical importance

Sr. No.	9 th Semester Lecture Programme
	Topic: Ethics/ Geriatrics Medicine, Life Support Ventilation
5	Geriatrics Medicine 1 <ul style="list-style-type: none"> • Introduction to Geriatric Medicine • Changing population structure • Changes in body due to aging • Assessment of Geriatric patient
6	Geriatrics Medicine 2 <ul style="list-style-type: none"> • Uncommon presentation of illness in geriatric age • Common Geriatric disorders • Causes of falls in elderly • Dementia, delirium, osteoporosis, osteomalacia • Incontinence of urine in elderly
7	Palliative care <ul style="list-style-type: none"> • Concept of palliative care • Assessment of Pain & visual analogue scale • Psychological aspects of terminally ill • Management • Physiotherapy
8	Alcohol related disorders <ul style="list-style-type: none"> • Alcohol; signs & symptoms, medical problems , social problems, genetic factors, prevention & management
9	Jaundice <ul style="list-style-type: none"> • Types of jaundice • Bilirubin metabolism • Investigations in a case of jaundice dice
10	Portal hypertension <ul style="list-style-type: none"> • Defination • Causes & classification • Clinical features • Management

Sr. No.	9 th Semester Lecture Programme
	Topic: Ethics/ Geriatrics Medicine, Life Support Ventilation
11	Upper GI Bleed <ul style="list-style-type: none"> • Etiology, approach to diagnosis • General management • Management with special reference to peptic ulcer & variceal bleed
12	Biosafety precautions <ul style="list-style-type: none"> • importance of biosafety precautions • Methods • Post exposure prophylaxis
13	Basic & advance life support <ul style="list-style-type: none"> • BLS; emergency medical services , training in basic CPR & ABC of life support • ALS; out of hospital/ in hospital; components ALS algorithms
14	Mechanical ventilation <ul style="list-style-type: none"> • Indication types / modes / monitoring • Types of Ventilators • Weaning from ventilator
15	Fluid & electrolyte balance <ul style="list-style-type: none"> • Hyponatramia&hypernatramia • Hypokalamia&hyperkalamia • SIADH
16	Dialysis (Peritoneal Hemodialysis) <ul style="list-style-type: none"> • Indications • Methods • Complications
17	High Altitude medicine <ul style="list-style-type: none"> • Indications • Management
18	Revision

Evaluation Pattern

A. Existing pattern

Training & Examination Schedule for 3rd to 9th term of Under Graduate students posted in Medicine Department

Term	Training Schedule	Examination Schedule
3 rd Term	History taking & General Examination, Examination of Respiratory System & Abdominal System.	No Examination.
4 th Term	All above mentioned in 3 rd Term + Examination of Cardio-Vascular System.	History taking + General Examination + Examination of Respiratory System, Abdominal System and Cardio-Vascular System.
5 th Term	All above mentioned in 4 th Term + Examination of Central Nervous System.	No Examination.
6 th Term	All Systems	History taking & Examination of all systems
7 th Term	All Systems	No Examination.
8 th Term	All Systems	History taking & Examination of all systems
9 th Term (Prelims)	All Systems	History taking & Examination of all systems+ Table Viva (ECG/X-ray/Drugs/Instruments)

- 75% attendance is mandatory for eligibility to appear in term and examination.
- Journals should be completed and duly signed by head of the unit before appearing for term end examination.
- Prelim exam pattern is same as university examination pattern.

Methods of Internal Assessment: Theory, Practical & Viva(Medicine) Internal Assessment:

CLINICAL

Term	Subject	Marks
IV	Medicine	60 marks
VI	Medicine	60 marks
VII	Skin	20 marks
VIII	Medicine	60 marks
VIII	Psychiatry	20 marks
VIII	TB & Chest	20 marks
	Total	240 marks
		240/16 = 15 marks
IX	Preliminary Examination	120 marks
		120/8 = 15 marks
	Total Marks	15+15 = 30 marks

THEORY

Term	Marks
VI	60 marks
VIII	60 marks
Total	120 / 8 = 15
IX Prelims	120 / 8 = 15
Total Marks	15 + 15 = 30

- Prelim exam pattern is same as university examination pattern.

THEORY PAPERS : Two papers of 60 marks each **120 marks**

Paper I: Contents: This paper shall have questions from Cardiovascular System, Respiratory System, including TB, Infectious & Tropical Diseases, Haematology, Nephrology, and Fluid & Electrolyte disorders.

Paper II: Contents: Nervous System, GIT, Hepatology, Pancreatic Disorders, Endocrine, Metabolic & Nutritional Disorders, Connective Tissue & Musculoskeletal Disorders, Poisoning & Environmental Diseases, Geriatrics, Skin & Psychiatry Disorders.

Oral (Viva) Interpretation of X-ray ECG, etc.	20 marks
Clinical (Bed side)	100 marks
University theory (paper- 1 and paper- 2)	120 marks
Internal assessment (Theory-30; Practical-30)	60 marks
Total	300 marks

 **University Examination (Medicine)**

THEORY EXAM		ORAL (VIVA) TO BE ADDED TO THEORY	
Paper 1 (3 hrs)	MARKS		MARKS
Section – A – 20 MCQs x ½ *	10	A – ECG, X-Rays & Chart	10
Section – B – 06 SAQs x 5 **	30		
Section – C – 02 SSQs x 10 ***	20		
Total	60		
Paper II (3 hrs)		B – Drugs, Journal & Instrument	10
Section – A – 20 MCQs x ½ *	10		
Section – B – 06 SAQs x 5 **	30		
Section – C – 02 SSQs x 10 ***	20		
Total	60	Total	20
Grand total	120		

CLINICAL EXAMINATION	
Long Case	050
Short Case – A	025
Short Case – B	025
Total	100
Grand Total (Theory + Practical)	240

B. New pattern
(Applicable for batches admitted from 2012 onwards)
Training & Examination Schedule for 3rd to 9th term of Under
Graduate students posted in Medicine Department

Term	Training Schedule	Examination Schedule
3 rd Term	History taking & General Examination, Examination of Respiratory System & Abdominal System.	History taking & General Examination.
4 th Term	All above mentioned in 3 rd Term + Examination of Cardio-Vascular System.	History taking + General Examination + Examination of Respiratory System, Abdominal System and Cardio-Vascular System.
5 th Term	All above mentioned in 4 th Term + Examination of Central Nervous System.	No Examination.
6 th Term	All Systems	History taking & Examination of all systems
7 th Term	All Systems	History taking & Examination of all systems
8 th Term	All Systems	History taking & Examination of all systems
9 th Term (prelims)	All Systems	History taking & Examination of all systems+ Table Viva (ECG/X-ray/Drugs/Instruments)

- 75% attendance is mandatory for eligibility to appear in term and examination.
- Journals should be completed and duly signed by head of the unit before appearing for term end examination.

Methods of Internal Assessment: Theory, Practical & Viva(Medicine) Internal Assessment:

 **CLINICAL**

Term	Subject	Marks
III	Medicine	60 marks
IV	Medicine	60 marks
VI	Medicine	60 marks
VII	Medicine	60 marks
VII	Skin	20 marks
VIII	Medicine	60 marks
VIII	Psychiatry	20 marks
VIII	TB & Chest	20 marks
	Total	240 marks
		240/16 = 15 marks
IX	Preliminary Examination	120 marks
		120/8 = 15 marks
	Total Marks	15+15 = 30 marks

- Best 3 to be counted for internal assessment except prelim marks for medicine.

 **THEORY**

Term	Marks
VI	60 marks
VIII	60 marks
Total	120 / 8 = 15
IX Prelims	120 / 8 = 15
Total Marks	15 + 15 = 30

THEORY PAPERS :

Paper I: Contents: This paper shall have questions from Cardiovascular System, Respiratory System, including TB, Infectious & Tropical Diseases, Haematology, Nephrology, and Fluid & Electrolyte disorders.

Paper II: Contents: Nervous System, GIT, Hepatology, Pancreatic Disorders, Endocrine, Metabolic & Nutritional Disorders, Connective Tissue & Musculoskeletal Disorders, Poisoning & Environmental Diseases, Geriatrics, Skin & Psychiatry Disorders.

- Prelim exam pattern is same as university examination pattern.

University Examination (Medicine)

Each paper shall have two sections.

(a) **Medicine:**

Theory- Two papers of 60 marks each **120 marks**

Paper I - General Medicine (Cardiovascular System, Respiratory System, including TB, Infectious & Tropical Diseases, Haematology, Nephrology, and Fluid & Electrolyte disorders.)

Paper II- General Medicine (Nervous System, GIT, Hepatology, Pancreatic Disorders, Endocrine, Metabolic & Nutritional Disorders, Connective Tissue & Musculoskeletal Disorders, Poisoning & Environmental Diseases, Geriatrics, Skin & Psychiatry Disorders including Psychiatry, Dermatology and S.T.D.)

(Shall contain one question on basic sciences and allied subjects)

Oral (Viva) Interpretation of X-ray ECG, etc.	20 marks
Clinical (Bed side)	100 marks
University theory (paper- 1 and paper- 2)	120 marks
Internal assessment (Theory-30; Practical-30)	60 marks
Total	300 marks

Marks Distribution Pattern Theory Paper 1

Subject	Group	Duration	Question Paper Pattern	Marks
Medicine Paper 1 (CVS,RS,TB, Infectious diseases, Haematology, Nephrology, and Fluid & Electrolyte disorders)	60 Marks	3. Hrs.	a) Sec-A-(30) i. One line answer questions(Answer any 12 out of 14)	12 X 1 = 12
			ii. Long answer question(Answer any 2 out of 3)	2 X 9 = 18
			b) Sec-B-(30) i. Short answer questions(Answer any 6 out of 8)	6 X 5 = 30
			Total 60	

Marks Distribution Pattern Theory Paper 2

Subject	Group	Duration	Question Paper Pattern	Marks
Medicine Paper 2 (Neurology, GIT including liver & pancreatic disorders, Endocrine, Metabolic & Nutritional Disorders, Connective Tissue & Musculoskeletal Disorders, Poisoning & Environmental Diseases, Geriatrics, Psychiatry, Dermatology and S.T.D)	60 Marks	3. Hrs.	a) Sec-A-(30)	
			i. One line answer questions (any 12 out of 14)	12 X 1 = 12
			ii. Long answer question (Answer any 2 out of 3)	2 X 9 = 18
			b) Sec-B-(30)	
			i. Short answer questions Answer any 6 out of 8 (It should contain at least one short answer question on TB, Skin & STD and Psychiatry)	6 X 5 = 30
				Total = 60

CLINICAL				VIVA		
Long Case	Short case 1	Short case 2	TOTAL Clinical	VIVA1	VIVA2	TOTAL
50	25	25	100	10	10	20