#### 1.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 and nutrition.)
- 2. During practical teaching & training in wards, OPD & fields works proper emphasis should be given to common health problems inaddition to other diseases. Emphasis should be given to learning of tacit knowledge & skills in diagnosis & interpretation of finding and Lab. Data.

## DEPARTMENT OF MEDICINE *CS-(04)*

### UG LECTURES AND TUTORIALS LESSION PLAN

S.	4th Semester Lecture
N.	Topic:- Introduction & Symptomatology
1	<ul> <li>History of Medicine Concept &amp; Objective of Diagnosis</li> <li>History of medicine from Hippocrates topresent day developments</li> <li>Diagnosis clinical, laboratory &amp; itscorrelation</li> </ul>
2	Medical Ethics
3	<ul> <li>History taking Differential Diagnosis</li> <li>Detailed history taking form personal data chief complains history of presenting illnesspast/family history- significant of each</li> <li>Differential diagnosis &amp; approach to case</li> </ul>
4	Cardio-vascular system (CVS Symptomatology)  • Signs & symptoms of CVS & approach to case of CVS
5	Respiratory system (RS) Symptomatology  • Signs & symptoms of respiratory system & approach to case of RS

6	Nervous system CNS Symptomatology  • Signs & symptoms of NS  • Definition of different symptoms & approachto a NS case
7	Gastro intestinal tract (GIT) Symptomatology <ul><li>Signs &amp; symptoms of GIT diseases</li><li>Approach to case of GIT diseases</li></ul>
8	Hepatobiliary Symptomatology  • Anatomy, signs, symptoms, approach to a case of hepatobiliary disease
9	Patient with fever & Edema – approach  • Definition / types of fever/ approach to caseof fever/PUO

S.	4th Semester Lecture
N.	Topic:- Introduction & Symptomatology
10	Patient with Anaemia & Jaundice – Approach
	<ul> <li>Definition of anaemia / classification /signs</li> </ul>
	/symptoms /diagnosis /treatment/approach to case of anemia
11	Revision
12	Patient with Lymphadenopathy – Approach
	<ul> <li>Definition/generalized lymphadenopathy/localized</li> </ul>
	lymphadenopathy differential
	diagnosis
13	Investigation -I (Non Invasive) X-Ray USG CT MRIPBS
	<ul> <li>Importance of each investigations / technical details /</li> </ul>
	indications / contra indications /
	recent advances
14	Investigation -II (Invasive) FNAC, LP, BM, LN, Liver biopsy
	<ul> <li>Indication / contra indications / methods of each surgical</li> </ul>
	procedures
15	Review of common Diseases in India
	Malaria/ TB / enteric fever etc short review
16	Approach to oedema
	<ul> <li>Definition of edema/causes / pathophysiology/approach to</li> </ul>
	case of edema
17	Approach to jaundice
	Definition of jaundice/clinical features / causes/
	complications/ diagnosis/treatment/approach/ differential
1.0	diagnosis
18	Revision

Sr.	5 <sup>th</sup> Semester Lectures - I
No.	Topic:- Infection Diseases
1	<ul> <li>Staphylococcus, infections</li> <li>Skin infections, wound infections, cannularelated infections, MRSA</li> <li>Staph toxic shock syndrome andmanagement</li> <li>Streptococcal infections</li> <li>Skin infections, scarlet fever, toxic shock syndrome, related infections, management</li> </ul>

Sr.	5 <sup>th</sup> Semester Lectures - I
No.	Topic:- Infection Diseases
2	Typhoid Fever- Flipped Classroom Teaching
3	Gastroenteritis & Cholera
4	Tetanus / Leptospirosis
5	Anthrax, brucellosis, plague.  Causative agents microbiology  Epidemiology  Pathogenesis  Clinical features  Complications  Treatment  Prevention

6	Leprosy- Flipped Classroom Teaching
	<ul><li>Complication</li><li>Management</li></ul>
7	Syphilis -

Sr.	5 <sup>th</sup> Semester Lectures - I
No.	Topic:- Infection Diseases
	<ul> <li>Pathogenesis</li> <li>Stages of syphilis</li> <li>Clinical features of each stage.</li> <li>Complications</li> <li>Treatment</li> <li>Prevention</li> </ul>
8	<ul> <li>Malaria- Flipped Classroom Teaching</li> <li>Causative agents</li> <li>Epidemiology</li> <li>Pathogenesis</li> <li>Clinical features Complications.</li> <li>Investigation</li> <li>Management Prevention.</li> </ul>
9	Amoebiasis & Amoebic Liver Absess & Kala Azar
10	Filariasis /worm infestations

11	Measles, mumps, chicken pox, herpes simplex, herpes zoster.
12	<ul> <li>Investigations</li> <li>Management</li> </ul> Dengue, Chikungunya, Yellow fever <ul> <li>Causative agents</li> </ul>

Sr.	5 <sup>th</sup> Semester Lectures - I
No.	Topic:- Infection Diseases
	Epidemiology
	<ul> <li>Pathogenesis</li> </ul>
	<ul> <li>Clinical features</li> </ul>
	<ul> <li>Investigations</li> </ul>
	Complications and Management
13	HIV-I
	<ul> <li>Clinical examination,</li> </ul>
	<ul> <li>Epidemiology and biology(Modes of transmission),</li> </ul>
	Natural history,
	• Classification,
	<ul> <li>Post exposure prophylaxis.</li> </ul>
	Management
14	HIV-II
	Clinical examination,
	<ul> <li>Epidemiology and biology(Modes oftransmission),</li> </ul>
	Natural history,
	• Classification,
	Post exposure prophylaxis.
	Management
1.5	
15	Polio, rabies, japanese encephalitis
	Causative agent      Tridewisters
	Epidemiology  Path approximation  Path ap
	Pathogenesis, Complication
	• Investigations
	<ul> <li>Management</li> </ul>

6	Rickketsial infection
	Causative agent
	<ul> <li>Epidemiology</li> </ul>
	<ul> <li>Pathogenesis, Complication</li> </ul>
	<ul> <li>Investigations</li> </ul>
	Management
17	New emerging infections- H1N1, SARS, Bird flu
	Clinical features
	<ul> <li>Investigations</li> </ul>
	Management
	Prevention

Sr.	5 <sup>th</sup> Semester Lectures - I
No.	Topic:- Infection Diseases
18	Antibiotic resistance
	<ul> <li>Mechanisms</li> </ul>
	<ul> <li>Causes</li> </ul>
	• Types
19	Fever of unknown origin
	<ul> <li>Clinical assessment</li> </ul>
	<ul> <li>Etiology</li> </ul>
	<ul> <li>Investigations</li> </ul>
20	Febrile neutropenia, fever in immunocompromised
	<ul> <li>Definition</li> </ul>
	<ul> <li>Investigations</li> </ul>
	• treatment
21	<ul> <li>Revision</li> </ul>

Lecture number 2 (Typhoid Fever), 6 (Leprosy) and 8( Malaria) in will beconducted by using Flip Classroom Method.

Sr.	5 <sup>th</sup> Semester Lectures - II
No	Topic:- Cardiovascular System (CVS)
1	Introduction – ( CVS )
	<ul> <li>clinical examination</li> </ul>
	<ul> <li>Anatomy physiology of CVS</li> </ul>
2	CVS - Method of Evaluation - Non invasive CVS
	• ECG
	• 2DECHO
	• X ray chest
	Stress test
	• CAG

3	Arrhythmias
4	Congestive Cardiac Failure, LVF
5	Cong Heart Diseases Aetiology, ClassificationCHD in Adults

Sr.	5 <sup>th</sup> Semester Lectures - II
No	Topic:- Cardiovascular System (CVS)
	Foetal heart circulation
	Cyanotic heart disease
	Acyanotic heart disease
6	Rheumatic Fever
	Clinical features
	<ul> <li>Investigations</li> </ul>
	• Treatment & Prophylaxis.
	• Complications
7	Valvular heart diseases (MS,MR,TR)- Part- I
	Haemodynamics- clinical features
	• Investigation
	• Complications
	Treatment
8	Valvular heart diseases (AS,AI) - Part- II
	Haemodynamics- clinical features
	• Investigation
	<ul> <li>Complications</li> </ul>
	Treatment
9	Infective Endocarditis
9	Etiology
	Clinical features
	<ul><li>Investigation</li></ul>
	• Treatment
	• Complications
10	Coronary Artery Disease
	Definition etiology, Pathophysiology, clinical features,
	investigations, diagnosis
	& management

11	Myocardial Infarction, Angina pectoris.  • Definition, etiology, Pathophysiology, clinical features, investigations, diagnosis& management, Complications
12	Cardiomyopathy  • Definition, etiology, types, pathophysiology, clinical features, investigations, diagnosis, management
3	Pericardial Disease

Sr	5 <sup>th</sup> Semester Lectures - II
	Topic:- Cardiovascular System (CVS)
N	
0	
	clinical features, investigations, diagnosis,
	management, deferential diagnosis & complication
14	Hypertension - I
	<ul> <li>Definition, JNC classification, causes, secondary causes</li> </ul>
	investigation
15	Hypertension - II
	Management, treatment individual drugs with doses & contra
	indication, Treatment of complications, prevention of
	complications
16	Disorders of aorta and peripheral blood vessels
	<ul> <li>Aortic aneurysm, aortic dissection( etiology, types, clinical</li> </ul>
	features, treatment, management)
	• Atherosclerosis.
	Acute & Chronic upper & lower limbischaemia.
17	Revision
1/	• Kevision

Sr.	6 <sup>th</sup> Semester Lectures
No	Topic:- GIT / Liver
1	Diseases of oral cavity, aphthos ulcer
	<ul> <li>Aphthos ulcer differential diagnosis, etiology, management</li> </ul>
	<ul> <li>Haematemesis causes &amp; management</li> <li>Malena causes &amp; management</li> </ul>

2	Oesophagus Anatomy & physiology of deglutitiondysphasia, GERD, Achlasia cardiac Reflux oesphagitis  Oesophasgus Anatomy Reflux oesphagitis- etiology, types management Achlasia cardiac GERD etiology, presentation, management
3	Heametmesis & Maleana
	• D/D
	Management

Sr.	6 <sup>th</sup> Semester Lectures
No	Topic:- GIT / Liver
4	Disease of Stomach
	Peptic Ulcer, Acute & Chronic Gastritis, malignancies  Particular, types eticloses gymptoms investigation for
	<ul> <li>Peptic ulcer- types, etiology, symptoms, investigation &amp; Management</li> </ul>
	Munugement
5	Diseases of Small Intestine
	<ul> <li>Anatomy Secretions, Functions, Malabsorption</li> </ul>
	Syndrome
6	Blood Supply of bowel & ischaemic disease ofbowel
	Blood Supply of bowel
	<ul> <li>Etiology, clinical features and management of ischaemic</li> </ul>
	bowel disease
7	IBS
	<ul> <li>Definition, presentation etiology &amp;management</li> </ul>
8	Ulcerative Collitis Crohn's Disease; other disease oflarge intestine.
	• Crohn's Disease; other disease of largeintestine.
9	Tuberculosis abdomen
	• Types
	Management
10	Jaundice
	• D/D,
	Bilirubin metabolism & LFT
11	Hepatitis-Acute & Chronic Hepatitis –I
	Etiology
	<ul> <li>Pathology</li> </ul>
	Clinical features
	Complication
	<ul> <li>Management</li> </ul>

12	Hepatitis-Acute & Chronic Hepatitis –II
	Etiology
	• Pathology
	Clinical features
	• Complication
	Management

Sr.	6 <sup>th</sup> Semester Lectures
No	Topic:- GIT / Liver
13	Cirrhosis of Liver – I
	<ul> <li>Aetiopathgenesis, clinical Features &amp; Diagnosis</li> </ul>
14	Cirrhosis of Liver - II
	Management
	Complications including portalhypertension.
15	Acute pancreatitis
	<ul> <li>Etiology</li> </ul>
	<ul> <li>Pathology</li> </ul>
	Clinical features
	<ul> <li>Complication</li> </ul>
	Management
16	Chronic pancreatitis
	<ul> <li>Etiology</li> </ul>
	<ul> <li>Pathology</li> </ul>
	Clinical features
	<ul> <li>Complication</li> </ul>
	Management
17	Disease of gall bladder
	<ul> <li>Etiology</li> </ul>
	Clinical Features
	Management
18	Revision

Sr	6 <sup>th</sup> Semester Lectures
	Topic:-Respiratory System
No	
1	Approach to haemoptysis
	Definition
	• Causes
	Management

2	Bronchial asthma
	Epidemiology
	<ul> <li>Etiology</li> </ul>
	• Pathology
	Clinical features
	<ul> <li>investigations</li> </ul>

4	Tropical Eosinophilia
	Definition
	Etiology
	• types
	• Treatment
5	Occupational lung diseases
	<ul> <li>Occupational airway disease</li> </ul>
	<ul> <li>Pneumoconioses</li> </ul>
	<ul> <li>Asbestosis related lung and pleurtal disease</li> </ul>
	<ul> <li>Lung diseases due to organic dust</li> </ul>
	<ul> <li>Occupational lung cancer</li> </ul>
	<ul> <li>Occupational pneumonia</li> </ul>
6	Pulmonary thromboembolism
	clinical features
	• risk factors
	• diagnosis
	• management
7	Revision
8	Sleep disordered breathing
	• etiology
	clinical features
	• investigations
	mangement
9	Mediastinal syndrome
	clinical features
	• investigations
10	Carcinoma lung
	• risk factors
	• pathology
	clinical features
	<ul> <li>investigations</li> </ul>

Sr	6 <sup>th</sup> Semester Lectures
	Topic:-Respiratory System
No	
	• management
11	Pleural effusion
	• Types
	• Causes
	Clinical features
	<ul> <li>investigations</li> </ul>
	Management.
12	Pneumothorax
	• types
	• causes
	• treatment
13	Interstitial lung diseases
	<ul> <li>diffuse parenchymal lung disease</li> </ul>
	systemic inflammatory disease
	<ul> <li>pulmonary eosinophilia &amp; vascutides</li> </ul>
	<ul> <li>Lung diseases due to irradiation drugs.</li> </ul>
	Rare ILD
14	Revision

Sr	6 <sup>th</sup> Semester
•	Tutorial
No	
1	Blood Transfusion & Components Therapy
	<ul> <li>Types, indications, contra indication, adverse effects</li> </ul>
	Blood components- eg :platelets, FFPsRDP's,
	cryoprecipitate
2	Obesity
	<ul> <li>Problems of obesity with changed lifestyle</li> </ul>
	<ul> <li>Various causes of obesity</li> </ul>
	<ul> <li>Anthropometric measurements</li> </ul>
	<ul> <li>Complication of obesity,</li> </ul>
	<ul> <li>treatment optionsMetabolic syndrome</li> </ul>
	• definition
	<ul> <li>management</li> </ul>
3	Protein - Energy Malnutrition, anorexia nervosa
	PEM in adults
	<ul> <li>Methods to diagnose of PEM</li> </ul>

Sr	6 <sup>th</sup> Semester
	Tutorial
No	
	• Treatment of PEM
	Vitamin Deficiency States Beri - Beri, Pellagra, Scurvy, Vitamin A
	Deficiency, Thiamine Deficiency
	<ul> <li>Vitamin defficiency in adults</li> </ul>
	<ul> <li>Signs, symtoms and treatment</li> </ul>
4	Acid base imbalance
	<ul> <li>Metabolic acidosis &amp; alkalosis.</li> </ul>
	<ul> <li>Respiratory acidosis &amp; alkosis.</li> </ul>
	<ul> <li>Mixed acid base disorders.</li> </ul>
	<ul> <li>Anionic gap disorders.</li> </ul>
5	Hyponatremia & hypernatremia
	<ul> <li>Definition</li> </ul>
	<ul> <li>Approach</li> </ul>
	<ul> <li>Types</li> </ul>
	<ul> <li>Managment</li> </ul>
6	Hypokalemia & hyperkalemia
	<ul> <li>Approach</li> </ul>
	<ul> <li>Causes</li> </ul>
	• ECG changes
	<ul> <li>Management</li> </ul>
7	Hypertensive emergencies
	<ul> <li>Etiology</li> </ul>
	• Types
	• Investigement
	Management
8	Approach to dyspnoea
	• d/d
	acute dyspnoea
	chronic dyspnoea
9	Approach to polyarthritis
	• causes
	• clinial features
	• investigations
10	• management
10	Revision

11	Fever with Rash
	• macular

Sr	6 <sup>th</sup> Semester
•	Tutorial
No	
	<ul> <li>maculopapular</li> </ul>
	<ul> <li>vesicular, purpural, petechial.</li> </ul>
	erythema multiforme
	erythema nodosum
	diffuse erythema
	migrating erythema
12	Pulmonary function tests.
	• Methods
	<ul> <li>Measurements</li> </ul>
	Lung volumes
	Transfer factor
	<ul> <li>Arterial blood gas analysis</li> </ul>
	Exercise test
13	Complementary medicine
	• Safety
	Regulation
	Integrated health care
14	Acute severe asthma
	Clinical features
	• Investigations
	Management
15	• Revision

Sr	7 <sup>th</sup> - Semester Lectures
•	Topic :- Hematology and Rheumatology
N	
0	
1	Approach & Investigations to a Patients withJoint Disease  • Clinical approach
	Physical examination, investigations, management
2	Rheumatoid Arthritis
	• Etiology,
	Genetic background,
	<ul> <li>Pathogenesis, criteria for diagnosis, radiological features, clinical features, extra articular manifestation,</li> </ul>
	Investigations & managementDMARD's, newer drugs

Sr	7 <sup>th</sup> - Semester Lectures
•	Topic :- Hematology and Rheumatology
N	
0	
3	Seronegative Spondyloarthropathies
	Classification
	• Types
	• Investigations
	Clinical approach     Management
4	Management  C. II. I. I
4	Collagen vascular diseases – I  • SLE
	<ul><li>Sysyemic sclerosis</li><li>MCTD</li></ul>
	<ul><li>Sjogrens syndrome</li><li>Polymyositis,</li></ul>
	<ul> <li>Polymyositis,</li> <li>Dermatomyositis, inclusion bodymyositis.</li> </ul>
	Definationly ositis, inclusion body myositis.
5	Collagen vascular diseases – II
	• Takayasus
	• Kawasakis
	Polyarterits nodosa
	Giant cell arteritis
	ANCA associated vasculitis
	Churg strauss syndrome, henochschonlein purpura
	<ul> <li>Cryoglobulinemic vasculitis, behcetsand relapsing.</li> </ul>
6	Gout & Pseudogont
	Etiology
	Clinical features
	TreatmentOsteoarthritis
	Etiology
	Clinical features
	Treatment
7	Classification of Anemia & Approach to Investigation
,	Types of anemia physiology clinical approach
	2 Jpes of allerina physiology elimeatapproach

8	Iron Deficiency Anemia & HypochromicMicrocytic Anaemias
	• Causes of IDA

Sr	7 <sup>th</sup> - Semester Lectures
•	Topic :- Hematology and Rheumatology
N	
0	
	Clinical features
	• Lab diagnosis
	• Treatment of IDA
0	Parentral & oral preparation
9	MegaloblasticAnaemia
	Classification & causes of megaloblasticanaemia lab  diagnasishana marray findings participus
	diagnosisbone marrow findings, pernicious aneamia management
	aneanna management
10	Haemolytic Anaemia
	Classification of hemomolyticanaemia
	G6PD deficiency hereditary sperocytes
	<ul> <li>Sicklecell syndrome- clinical features, complications</li> </ul>
	management
11	Haemoglobinpathies
	<ul> <li>Thalasemiaalfa&amp; beta clinical features&amp; management</li> </ul>
	PNH hereditary & acquired
12	Acute Leukemia's
	<ul> <li>ALL- FAB classification physicalexamination</li> </ul>
	<ul> <li>Clinical features- complicationsprognosis index</li> </ul>
	<ul> <li>Management of ALL &amp; ANL</li> </ul>
13	Chronic Leukemia's
	<ul> <li>CML genetics- diagnosis, clinical features</li> </ul>
	<ul> <li>Prognosis management</li> </ul>
	<ul> <li>Recent advances</li> </ul>
14	Lynphomas-Hodgkins and Non Hodgkin's Disease
	Classification- pathology, clinical approach bone marrow
	finding
	Investigation & management

15	Bleeding Disorders
	Physiology of coagulation
	Clinical approach
	Lab investigations
	<ul> <li>Diagnosis</li> </ul>

Sr	7 <sup>th</sup> - Semester Lectures
	Topic :- Hematology and Rheumatology
N	
0	
	Complications, DIC, management
	Blood component therapy
16	Coagulation disorders
	<ul> <li>Physiology of coagulation</li> </ul>
	<ul> <li>Clinical approach</li> </ul>
	Lab investingation
	<ul> <li>Diagnosis</li> </ul>
17	Myeloproliferative and myelodysplastic syndromes
	<ul> <li>Classification</li> </ul>
	Management
18	• Revision

Sr.	7 <sup>th</sup> - Semester Lectures
No.	Topic :- Nervous System
1	Introduction, applied Anatomy & Physiology of Brain & Spinal
	Cord
	<ul> <li>Basic Anatomy &amp; Physiology.</li> </ul>
	• Localising lesions.
2	History taking in Neurology & Investigation
	<ul> <li>How to take CNS History</li> </ul>
	<ul> <li>Neuroimaging CSF &amp; other Investigations</li> </ul>
	<ul> <li>Neurophysiological testing</li> </ul>
3	Coma, Causes & Investigations
	<ul> <li>Definition</li> </ul>
	<ul> <li>History taken and examination in a patient with coma</li> </ul>
	<ul> <li>Diagnosis and Management</li> </ul>
4	CVA -1
	<ul> <li>Blood supply to brain</li> </ul>
	• Circle of Wills
	Clinical presentation

5	CVA-2
	<ul> <li>Concepts Types &amp; Differential predisposing factors Diagnosis &amp;</li> </ul>
	Management
	Types of cerebrovascular disorders
	Risk factors
	<ul> <li>Diagnosis</li> </ul>

Sr.	7 <sup>th</sup> - Semester Lectures
No.	Topic :- Nervous System
6	Space Occupying Lesions, Brain absess & tumour
	<ul> <li>Etiology</li> </ul>
	<ul> <li>Clinical features</li> </ul>
	Investigation & Management
7	Encephalitis
	<ul> <li>Etiology of encephalitis</li> </ul>
	<ul> <li>Clinical features</li> </ul>
	• Investigation
	Management
8	Meningitis
	<ul> <li>Etiology of meningitis</li> </ul>
	<ul> <li>Clinical features</li> </ul>
	Management
9	Epilepsy
	<ul> <li>Classifications</li> </ul>
	<ul> <li>Different types</li> </ul>
	• Investigations
	Management- (neptpal status epilipticus)
10	Parkinsonism
	• Etiology
	Clinical features
	<ul> <li>Management</li> </ul>
11	Cerebellar Syndrome
	• Etiology
	• Clinical features
	Management
12	Demylinating Disorders, Multiple Sclerosis, Heridofamilial disorders &
	Motor Neuron Disease
	<ul> <li>Causes of demylination disorders</li> </ul>
	Common Heridofamilial disorders
	<ul> <li>Etiology, clinical features and management of Multiple</li> </ul>
	Sclerosis & Motor Neuron Disease

3	Extrapyramidal disorders
	<ul><li>Types</li><li>Clinical featuresMovement disorders</li></ul>

Sr.	7 <sup>th</sup> - Semester Lectures
No.	Topic :- Nervous System
	<ul> <li>Different types of Involuntary Movements</li> </ul>
	Etiology, management
14	Toxic & Nutritional disorders of CNS
	<ul> <li>Etiology</li> </ul>
	<ul> <li>Clinical features</li> </ul>
	Management
15	Spinal Cord Disorders & Paraplegia & Quadriplegia
	<ul> <li>Compressive myelopathy-etiology ,Clinicalfeatures&amp;</li> </ul>
	Management
16	Peripheral Neuropathy
	<ul> <li>Etiology of peripheral Neuropathy</li> </ul>
	<ul> <li>Clinical features</li> </ul>
	<ul> <li>Investigation &amp; ManagementGB Syndrome</li> </ul>
	Etiology clinical features & management
17	Muscle Disorders in Brief
	<ul> <li>Types of myopathies including congenital, Metabolic</li> </ul>
	inflammatory & other
	<ul> <li>Clinical features &amp; Management Myasthenia Gravis</li> </ul>
	Etiology ,clinical features& management
18	• Revision

Sr	8 <sup>th</sup> Semester Lectures - I
	Topic:- Nephrology / General
N	
0	
1	Genetic Disorders – introduction, common genetic disorders &
	prevention
	Importance of genetics
	Structure of chromosome & gene
	<ul> <li>Identification of genetic disease</li> </ul>
	<ul> <li>Methods to prevention.</li> </ul>
2	Immunology, anatomy, & physiology of immune system. Stem cells in
	clinical Medicine.
	Innate immunity
	Adaptive
	Use of Stem cells in clinical Medicine

- Immune deficiency, SIRS

   Presenting problems
   Recurrent infections 3

Sr	8 <sup>th</sup> Semester Lectures - I
	Topic:- Nephrology / General
N	
0	
	Primary phagocyte deficiency
	Complement pathway deficiency
	<ul> <li>Primary deficiencies of adaptive immunesystem</li> </ul>
	Secondary immune deficiency.
4	Cancer & chemotherapy
	• Hallmarks
	Environmental and genetic determinants
	<ul> <li>Investigations</li> </ul>
	Presenting problems
	<ul> <li>Complications of cancer</li> </ul>
	Therapeutics in oncology
5	Human genome & Genetic Engineering and GeneTherapy
	Human genome project
	<ul> <li>Lab methods utilized in genetics</li> </ul>
	<ul> <li>Concept of genetic engineering</li> </ul>
	Present & future of genetic engineering
	Gene Therapy
6	Protein - Energy Malnutrition, anorexia nervosa
	PEM in adults
	<ul> <li>Methods to diagnose of PEM</li> </ul>
	Treatment of PEM
7	Vitamin Deficiency States Beri - Beri, Pellagra, Scurvy, Vitamin A
	Deficiency, Thiamine Deficiency
	Vitamin defficiency in adults
	<ul> <li>Common vit difficiencies in adults</li> </ul>
	Signs , symtoms & treatment
8	Obesity
	Problems of obesity with changed lifestyle
	Various causes of obesity
	Anthropometric measurements
	Complication of obesity
	Treatment options
9	Balanced Diet & Diet in Various Disorders
	Concept of balanced diet
	Diets recommended in various medical disorders

Sr	8 <sup>th</sup> Semester Lectures - I
	Topic:- Nephrology / General
N	
0	
10	Fluid & electrolyte disorders
	Water & electrolyte distribution
	<ul> <li>Investigation of water &amp;electrolyte, disorders</li> </ul>
	<ul> <li>Disorders of sodium balance</li> </ul>
	Disorders of water balance
	<ul> <li>Disorders of potassium balance</li> </ul>
11	Applied Anatomy, Physiology of Urinary Systemand Renal function
	Tests
	<ul> <li>In brief anatomy &amp; physiology of renal system</li> </ul>
	<ul> <li>Laboratory investigation</li> </ul>
	Radiological investigations in renal system
12	Proteinuria, Haematuria, Renal Colics : Approach
	<ul> <li>Proteinuria- etiology, investigation, management</li> </ul>
	<ul> <li>Hematuria- etiology, investigation, management</li> </ul>
13	Acute Glomerulonephritis
	• Etiology,
	<ul> <li>Pathogenesis</li> </ul>
	<ul> <li>Investigation</li> </ul>
	<ul> <li>Management</li> </ul>
14	Nephrotic Syndrome
	<ul> <li>Clinical features,</li> </ul>
	Differential diagnosis
	Management
15	Acute kidney injury
	• Causes
	• Complication
1.0	Treatment of renal failure
16	Chronic kidney disease
	Clinical presentation
	• Complication of CRF
	Treatment & prevention

17	Dialysis & Renal Transplant
	Hemodialysis
	Peritoneal dialysis

Sr	8 <sup>th</sup> Semester Lectures - I
	Topic:- Nephrology / General
N	• •
0	
	Renal transplantation
18	Infections of the Urinary System
	Upper & lower UTI
	Evaluation
	Treatment
19	Tubulo- interstitial diseases
	<ul> <li>Etiology</li> </ul>
	Clinical features
	Management
20	Revision

Sr	8th Semester Lectures - II
	Topic:- Endocrinology
N	
0	
1	<ul> <li>Approach to patient with Endocrine Disorders</li> <li>Anatomy of various glands</li> <li>physiology of glands</li> <li>Action of Hormones</li> <li>Common symptoms</li> </ul>
2	Applied Anatomy of Pituitary and Disorders of Pituitary – I
3	Applied Anatomy of Pituitary and Disorders of Pituitary – II

- 4
- Thyroid Disorders I
   Anatomy of thyroid gland
   Physiology of thyroid gland with commonsigns and symptoms of hypothyroidism,

Sr	8 <sup>th</sup> Semester Lectures - II
	Topic:- Endocrinology
N	
0	
	lab diagnosis
	Treatment of hypothyroidism
	Autoimmune thyroidits
5	Thyroid Disorders – II
	Hyperthyroidism & thyroid malignancies & treatment
	Subclinical hypothyroidism and hyperthyroidism
6	Disorders of Adrenal gland – I
U	Adrenal gland – 1     Adrenal gland anatomy
	<ul> <li>Adrenal gland anatomy</li> <li>Physiology &amp; action of adrenal glandhoromones</li> </ul>
	<ul> <li>Frystology &amp; action of adrenal glandholomones</li> <li>Cushing disease</li> </ul>
	Cushing disease     Treatment
	Treatment
7	Disorders of Adrenal gland – II
	Addisons disease
	Pheomchromocytoma
	• Treatment
	Adrenal crisis
8	Revision
9	Vitamin D Metabolism Parathyroid Disorders with calcium
	metabolism-I
	Vit D metabolism
	Hyperparathyroidism
	Hypoparathyroidism
	Osteoporosis
10	Vitamin D Metabolism Parathyroid Disorders with calcium
	metabolism –II
	Hypercalcemia
	Hypocalcemia
	Familial hypocalciuric hypercalcemia
11	Osteomalacia, Osteopetrosis & Rickets
	<ul> <li>Causes, Clinical Features &amp; treatmentosteomalacia, rickets</li> </ul>
	<ul> <li>Causes, types, Pathopysiology, osteoporosis &amp;</li> </ul>
	Treatment

12	FSH, Estrogen, Progesterone & their Disorders
	<ul> <li>Physiology of FSH, Estrogen, Progesterone secretion</li> </ul>

Sr	8 <sup>th</sup> Semester Lectures - II
	Topic:- Endocrinology
N	
0	D' 1 1 1 1 11 CEQUE
	Disorders due to hypo and hyper secretion of FSH, Estrogen,  Proposterone
13	Progesterone
13	Gynaecomastia , hirsutism  • Causes
	<ul><li> Causes</li><li> Factors associated</li></ul>
	<ul><li>Factors associated</li><li>Management</li></ul>
	Turner's syndrome, klinefelters syndrome.
	Genetics
	• Features.
14	Testicular disorders & male hypogonadism
1 1	Clinical features
	• Investigations
	• Infertility
	Androgen replacement therapy andmanagement
15	Neuroendocrine tumours and MEN
	<ul> <li>Multiple endocrine neoplasia type 1 (werners) and type</li> </ul>
	2(sipples)
	<ul> <li>Autoimmune polyendocrine syndromes.</li> </ul>
16	Diabetics Mellitus-I
	<ul> <li>Etiology, theories</li> </ul>
	Genetic in heritance
	Management of type- I D M
	• DKA
17	Diabetics Mellitus-II
	Insulin resistance, syndrome x
	OHA / insulin     Garage Vications
10	• Complications
18	• Revision

Sr	8 <sup>th</sup> Semester
	Topic:- Tutorial & Seminar Programme
N	
0	
1	Poisoning –I
	<ul> <li>Different types of poisoning</li> </ul>
	<ul> <li>Classification of Poisonous agents</li> </ul>

Sr	8 <sup>th</sup> Semester
•	Topic:- Tutorial & Seminar Programme
N	
0	Once a subsection and a subsection and a subsection at the subsection and a subsection at the subsecti
	<ul> <li>Organophosphorus poisons, opium, alcohol, etc</li> </ul>
3	Animal bites
	<ul> <li>Classification of poisons snakes</li> </ul>
	Clinical features
	Management
	<ul> <li>Complications</li> </ul>
	Scorpion bite clinical features, management.
4	ECG – I
	• 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
	Acute coronary syndrome
	Stable CAD, TMT
6	ECG – III
	<ul> <li>Arrhythmias</li> </ul>
	AV blocks
	AF, SVT etc
7	X-Ray Chest
	<ul> <li>Normal chest x ray PA view, AP view, lateral view, decubitus</li> </ul>
	view Pneumonia
	<ul> <li>Lung abscess</li> </ul>
	Pleural effusion
	Cavitary lesion
8	Other X-Rays & imaging procedures – USG
	• CT Scan
	• MRI

9	Pleural Tap ICD, Pleural Fluid & PFT
	<ul> <li>Indications</li> </ul>
	<ul> <li>Procedures &amp; precautions</li> </ul>
	<ul> <li>Complications</li> </ul>
	<ul> <li>PFT- obstructive and restrictive lungdisease</li> </ul>

Sr	8 <sup>th</sup> Semester
•	Topic:- Tutorial & Seminar Programme
N	
0	D
10	Revision
11	Liver biopsy, LFT, Jaundice evaluation & Ascitic fluid
	Interpretation, anaphylaxis
	• Indications
	• Procedures
	<ul> <li>Contraindications</li> </ul>
	• LFT- Different tests,
	Ascitic fluid tapping- Indications &Procedure
12	Haematology reports - analysis, Bone marrowreport
	Types of anemia
	Acute lymphoblastic leukemia
	Acute myloblastic leukemia
	Chronic myeloid leukemia
	Chronic lymphocitic leukemia
	Multiple myeloma
13	Shock
	<ul> <li>Definitions</li> </ul>
	<ul> <li>Types of shock</li> </ul>
	Etiology
	<ul> <li>Management</li> </ul>
14	IV Fluids, ABG CVP
	<ul> <li>Types of IV fluids and indications</li> </ul>
	<ul> <li>ABG- metabolic/ respiratory, acidosis, metabolic/ respiratory</li> </ul>
	alkalosis
	CVP- indication, procedures, contraindication
	CSF - Anatomy & Physiology, interpretation
15	<ul> <li>Indication &amp; contra indications of LP</li> </ul>
	Meningitis's Pyogenic, TB, Viral &SAH

16	Uranalysis, RFT, Kidney biopsy
	Albuninurea, glycosuria
	Puscells, RBC, culture
	Kidney biopsy
17	Electrical injury hyperpyrexia, heat exhaustion & hyperthermia

Sr	8 <sup>th</sup> Semester
	Topic:- Tutorial & Seminar Programme
N	
0	
	Temperatures regulation
	Hyperthermia
	Heart stroke- heat exhaustion
	Electrical injury
18	Revision

Sr	9 <sup>th</sup> Semester
•	Seminars
N	
0	
1	Malaria & Kalazar
	<ul> <li>Life cycle of malaria parasite &amp;leishmaniasis</li> </ul>
	<ul> <li>Clinical features of vivax, falcifarummalaria, kalazar</li> </ul>
	<ul> <li>Complication of falciparaum malaria, &amp;kalazar</li> </ul>
	Management of malaria &kalazar
2	HIV – I
	Biology of HIV virus, Prevalance of HIV, acute HIV syndrome
	Early & late magnification of HIV disease
	Diagnosis of HIV & follow up
	2 mg. 10010 of 111 v of 10110 w up
3	HIV – II
	Opportunistic infections in HIV
	<ul> <li>Malignancy in HIV</li> </ul>
	<ul> <li>Antiretroviral drugs, treatment strategy</li> </ul>
	<ul> <li>Postexposure prophylaxis</li> </ul>

4	Dengue, Chikungunya
	<ul> <li>Causative agents</li> </ul>
	Epidemiology
	<ul> <li>Pathogenesis</li> </ul>
	Clinical features
	<ul> <li>Complications</li> </ul>
	<ul> <li>Investigations</li> </ul>
	<ul> <li>Management</li> </ul>
5	Leptospirosis ,plague
	<ul> <li>Causative agents</li> </ul>
	Epidemiology
	• Pathogenesis

Sr	9 <sup>th</sup> Semester
•	Seminars
N	
0	
	Clinical features
	<ul> <li>Complications</li> </ul>
	• Investigations
	Management
6	Extrapulmonary tuberculosis
	Clinical presentations
	<ul> <li>Investigations</li> </ul>
	Management
7	PUO
	• Definition
	<ul> <li>Classification</li> </ul>
	• Cause of PUO
	Investigation
8	Diabetes Mellitus – I
	Etiology, theories
	Genetic inheritance
	<ul> <li>Management of type I DM</li> </ul>
	Diabetic keto acidosis
9	Diabetes Mellitus – II
	<ul> <li>Insulin resistance, syndrome x</li> </ul>
	OHA/ insulin
	• Complications
10	Acute coronary syndromes
	Clinical features
	<ul> <li>Investigations</li> </ul>
	Management

11	Respiratory Failure
	Definition
	Types of respiratory failure
	Causes of respiratory failure
	<ul> <li>Management</li> </ul>
12	Valvular Heart Disease –I
	Etiology of valvular heart disease
	<ul> <li>Clinical features of MS MR Investigations</li> </ul>
	Complications
13	Valvular Heart Disease II
	<ul> <li>Etiology of valvular heart disease</li> </ul>
	<ul> <li>Clinical features of AS AR TR</li> </ul>

Sr	9 <sup>th</sup> Semester	
•	Seminars	
N		
0		
	<ul> <li>Investigations</li> </ul>	
	<ul> <li>Complications</li> </ul>	
14	CCF	
	<ul> <li>Definition of CCF</li> </ul>	
	Type of failure	
	<ul> <li>Clinical features</li> </ul>	
	<ul> <li>Management of CCF</li> </ul>	
15	Hypertension	
	• Definition,	
	<ul> <li>JNC classification,</li> </ul>	
	• causes,	
	<ul> <li>secondary causes</li> </ul>	
	<ul> <li>investigation</li> </ul>	
	Management	
16	Revision	

Sr.	9 <sup>th</sup> – Semester Lecture Programme	
No.	Topic:- Ethics / Geriatrics Medicine, LifeSupport Ventilation	
1	Sudden death, issues in organ transplant	
	<ul> <li>Sudden death; causes cardiac/noncardiac, use of defibrillators</li> </ul>	
	<ul> <li>Organ transplant; bioethical issues, types of transplant</li> </ul>	

	Ethics in Medicine
	• Consent
	Medical negligence
	Medical- consumer protection act
	• Ethics in medicine; definition, values inethics, consent,
	confidentiality, medical
	research
3	Medicolegal aspects, consumer protection act, medical insurance
	<ul> <li>consumer protection act, medical insurance</li> </ul>
4	Medical documentation, Death certificate & other certifications
	<ul> <li>Doctors records. Electronic database</li> </ul>
	<ul> <li>Death certificate; nature &amp; medicalimportance</li> </ul>

Sr.	9 <sup>th</sup> – Semester Lecture Programme			
No.	Topic:- Ethics / Geriatrics Medicine, LifeSupport Ventilation			
5	Geriatrics Medicine 1			
3	Introduction to Geriatric Medicine			
	Changing population structure  Changes in he deader to residue.			
	• Changes in body due to aging			
-	Assessment of Geriatric patient  Geriatrics Medicine 2			
6				
	Uncommon presentation of illness ingeriatric age			
	Common Geriatric disorders			
	• Causes of falls in elderly			
	Dementia, delirium, osteoporosis, osteomalacia			
	Incontinence of urine in elderly			
7	Palliative care			
	<ul> <li>Concept of palliative care</li> </ul>			
	<ul> <li>Assessment of Pain &amp; visual analoguescale</li> </ul>			
	Psychological aspects of terminally ill			
	Management of Common Problems.			
8	Alcohol related disorders			
	• Alcohol; signs & symptoms, medical problems, social problems,			
	genetic factors, prevention & management			
9	Jaundice			
	<ul> <li>Types of jaundice</li> </ul>			
	Bilirubin metabolism			
	<ul> <li>Investigations in a case of jaundice dice</li> </ul>			

10	Portal hypertension	
	<ul> <li>Defination</li> </ul>	
	<ul> <li>Causes &amp; classification</li> </ul>	
	Clinical features	
	<ul> <li>Management</li> </ul>	
11	Upper GI Bleed	
	Etiology, approach to diagnosis	
	General management	
	Management with special reference topeptic ulcer &	
	variceal bleed	

Sr.	9 <sup>th</sup> – Semester Lecture Programme			
No.	Topic:- Ethics / Geriatrics Medicine, LifeSupport Ventilation			
12	Biosafety precautions			
	<ul> <li>importance of biosafety precautions</li> </ul>			
	<ul> <li>Methods</li> </ul>			
	<ul> <li>Post exposure prophylaxis</li> </ul>			
13	Principles of Critical care Basic & advance life support			
	<ul> <li>Principals of Critical care</li> </ul>			
	<ul> <li>BLS; emergency medical services, training in basic CPR &amp; ABC</li> </ul>			
	of life support			
	<ul> <li>ALS; out of hospital/ in hospital; components ALS</li> </ul>			
	algorithms			
1.4	NA 1 2 1 21 2			
14	Mechanical ventilation			
	Indication types / modes / monitoring  Transport New York Transport  Transport New York Tra			
	Types of Ventilators     Wearing from ventilators			
1.5	Weaning from ventilator			
15	Fluid and electrolyte balance			
	Hyponatramia & hypernatramia			
	Hypokalamia & hyperkalamia			
16	SIADH  Dialysis (Pariton sel Hama dialysis)			
10	Dialysis (Peritoneal Hemodialysis)  • Indications			
	• Methods			
17	• Complications			
17	High Altitude medicine			
	Problems Related to High Altitude Approach &  Management			
18	Management.  • Revision			
10	• KCVISIOII			

Sr.	9 <sup>th</sup> – Semester	
No.	Lecture Cum Demonstration	
1	Alcohol related diseases	
	<ul> <li>Acute intoxication, alcohol abuse, misuse, dependence</li> </ul>	
	<ul> <li>Alcohol withdrawal</li> </ul>	
	Medical consequences ( neurological, hepatic,  gostrointestinal respiratory, cordina etc.)	
	gastrointestinal, respiratory, cardiac etc)  • Psychiatry and cerebral consequences	
	1 Sychiatry and corcorar consequences	

Sr.	9 <sup>th</sup> – Semester		
No.	Lecture Cum Demonstration		
2	Approach to anaphylaxis		
	<ul> <li>Clinical assesment</li> </ul>		
	<ul> <li>Causes</li> </ul>		
	<ul> <li>Differential diagnosis</li> </ul>		
	<ul> <li>Investigations</li> </ul>		
	<ul> <li>Management</li> </ul>		
	<ul> <li>Prescription of self injectable adrenaline</li> </ul>		
3	Status epilepticus		
	<ul> <li>Definition</li> </ul>		
	<ul> <li>Diagnosis</li> </ul>		
	<ul> <li>Management</li> </ul>		
	<ul> <li>Investigations</li> </ul>		
4	Vertigo ,dizziness, giddiness		
	<ul> <li>Definitions</li> </ul>		
	<ul> <li>Causes</li> </ul>		
	<ul> <li>History, examination.</li> </ul>		
	<ul> <li>BPPV, acute prolonged vertigo</li> </ul>		
	• Treatment		
5	Approach to headache		
	General principles		
	<ul> <li>Anatomy and physiology of headache</li> </ul>		
	<ul> <li>Clinical evaluation</li> </ul>		
	<ul> <li>Types</li> </ul>		
	<ul> <li>Causes</li> </ul>		
	Management		

6	Approach to diarrhea
	Definition
	Acute diarrhea- causes, pathological organisms, investigations,
	management
	<ul> <li>Chronic diarrhea- causes, pathological organisms,</li> </ul>
	investigations, management
	Clinical evaluation
	<ul> <li>Management</li> </ul>
7	Approach to chest pain
	Clinical evaluation
	<ul> <li>Causes (cardiac, respiratory, gastrointestinal,</li> </ul>
	musculoskeletal etc)
	<ul> <li>Investigations</li> </ul>

Sr.	9 <sup>th</sup> – Semester		
No.	Lecture Cum Demonstration		
	<ul> <li>Management</li> </ul>		
8	Disaster management –I		
	<ul> <li>Types (natural, environmental, complex, pandemic)</li> </ul>		
	<ul> <li>Disaster prevention</li> </ul>		
	Disaster preparedness		
9	Disaster management-II		
	• Disaster relief.		
	<ul> <li>Disaster recovery.</li> </ul>		
	• Use of resources		
	• Triage		
10	Approach to dementia		
	• Aetiology ( vascular, degenerative, neoplastic,		
	inflammatory, traumatic,toxic, inflammatory)		
	Clinical features		
	• Investigations		
	Management		
	Alzeimers disease, lewy body dementia		
11	Sudden death syndromes		
	<ul> <li>causes cardiac/noncardiac</li> </ul>		
	<ul> <li>Prevention, early detection</li> </ul>		
12	Medical diseases in pregnancy		
	• Hypertension		
	Diabetes mellitus in pregnancy		
	Pre eclampsia		
	Hyperthyroidism in pregnancy		
	<ul> <li>Deep vein thrombosis.</li> </ul>		

13	Travel medicine			
	<ul> <li>International travel and health</li> </ul>			
	Disease information			
	<ul> <li>Vaccines</li> </ul>			
	Travel health risks			
	General precautions			
14	Adult immunization			
	<ul> <li>Mumps measles and rubella</li> </ul>			
	<ul> <li>Pneumococcal vaccines</li> </ul>			
	Influenza			
Sr.	9 <sup>th</sup> – Semester			
No.	Lecture Cum Demonstration			
	Tetanus and others.			
	Recent advances and newer vaccines.			
15	~			
	<ul> <li>Various skin manifestations in infections and malignancies.</li> </ul>			
	<ul> <li>Skin problems in general medicine(vasculitis, tuberous</li> </ul>			
	sclerosis, neurofibromatosis etc)			
	Skin problems associated with (CVS,RS,CNS, Hepatic & GIT			
	Diseases			
16	Paraneoplastic syndromes			
	Peripheral; neuropathy			
	Encephalomyelitis			
	Cerebellar degeneration			
	Lambert eaton syndrome			
17	Brain death			
	Criteria for brain death			
	Tests for confirming brain death			
	Clinical evaluation			
18	Concept of Nano Medicine			
	Introduction to nano technology			
10	Use of nano technology in medicine			
19	Revision			

# MAPPING OF PROGRAMME OUTCOMES [POs] AND COURSEOUTCOMES [COs] OF MBBS PROGRAMMES

<b>Course Code</b>	Course Title
01010402	General Medicine & Allied
01010401	General Surgery & Allied
01010403	Obstetrics & Gynaecology
01010404	Paediatrics

General Medicine & allied: (01010402)			
CO No.	At the end of the course, the learnershould be able to:	Mapped Programm e Outcomes	
CO 1	At the end of the course the student shallhave adequate knowledge to diagnose common clinical conditions with specialreference to infectious diseases, nutritional disorder, metabolic disordersand environmental	PO1,PO2,PO3,PO 4, PO5,PO6,PO7,PO 8,PO9	
CO 2	disorders.  Propose diagnostic and investigative procedures and ability to interpret them	PO1,PO2,PO3,PO 4, PO5,PO6,PO7,PO	
CO 3	Outline various modes of management including drug therapy especially doses, side effects, toxicity, indications, contraindications and interaction	PO1,PO2,PO3,PO 4, PO5,PO6,PO7,PO 8,PO9	
CO 4	Provide first level management of acute emergencies promptly and efficiently anddecide on the timing and level of referral if required	PO1,PO2,PO3,PO 4, PO5,PO6,PO7,PO 8,PO9	
CO 5	Recognize geriatric disorders and theirmanagement	PO1,PO2,PO3,PO- PO5,PO6,PO7,PO- 8,PO9	
CO 6	Apply clinical skills of history taking, clinical examination to diagnose commonmedical disorders and medical emergencies	PO1,PO2,PO3,PO 4, PO5,PO6,PO7,PO 8	
CO 7	Perform simple routine investigations likehaemogram, stool, urine, sputum and other biological fluids	PO1,PO2,PO3,PO 4, PO5,PO6,PO7,PO 8,PO9	
CO 8	To interpret simple X-Ray, ECG, CT scanand laboratory report findings	PO1,PO2,PO4,PO 5,PO6,PO7,PO9	
CO 9	Assist common bedside medical procedures like pleural tap, lumbarpuncture, bone marrow aspiration, catheterization, insertion of Ryle's tubeetc.	PO1,PO2,PO3,PO 4, PO5,PO6,PO7,PO 8,PO9	
CO 1	sympathetic and compassionate attitudetowards patient and their	PO1,PO2,PO3,PO 5,PO7	

	relatives	
CO 11	A curiosity to learn about medical research	PO1,PO2,PO4, PO5,PO6,PO7,PO8,

General Medicine & allied: (MB401)		
CO No.	At the end of the course, the learnershould be able to:	Mapped Programm
		e Outcomes
		PO9
CO 12	To correctly record case files, medical certificates	PO1,PO2,PO3,PO 5,PO7,PO9
CO 13	Diagnose and manage commonrespiratory illness	PO1,PO2,PO4,PO ,P O6,PO7,PO8,PO9
CO 14	Should be able to diagnose provisionallyPsychiatric disorders	PO1,PO2,PO3,PO 5, PO6,PO7,PO8,PO 9
CO 15	Should be able to diagnose and managecommon dermatology problems as physician of first contact	PO1,PO2,PO4,P O, PO6,PO7,PO8,P O9