

III rd PROFESSIONAL - PART – II SYLLABUS

(1) GENERAL MEDICINE:

(i) Goal:

The broad goal of the teaching of under graduate students in the medicine is to have the knowledge skills and behavioral attributes to function effectively as the first contact physician.

(ii) Objectives:

KNOWLEDGE:

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

- (1) Diagnose common clinical disorders with special reference to infectious diseases and nutritional disorders, tropical and environmental diseases;
- (2) Outline various modes of management including drug therapeutics especially dosage, side effects, toxicity, interactions, indications and contraindications;
- (3) Propose diagnostic and investigative procedures and ability to interpret them;
- (4) Provide first level management of acute emergencies promptly and efficiently and decide the timing and level of referral, if required.
- (5) Recognise geriatric disorders and their management;

Theory Syllabus

Sl. No.	Name of the Unit	No. of Hours	
		Theory	Practical
1.	HAEMATOLOGY: a) Introduction and Iron deficiency Anaemias b) Megaloblastic anaemias, B12 & Folic acid deficiency. c) Haemolytic anaemias d) Aplastic anaemia and bone marrow Transplantation e) Acute Leukaemias. f) Chronic myeloid and lymphatic Leukaemias. g) Polycythemia and agranulocytosis h) Multiple myeloma. i) Disorders of coagulation-haemophilia. j) Purpuras and consumption coagulopathy.	20	30
2.	IMMUNOLOGY, BONES & JOINTS, TOXICOLOGY: IMMUNOLOGY: a) Introduction/Immunoglobulins Introduction, Immunoglobulins, Complement, cytokines, H.L.A. b) Hypersensitivity reaction c) Immune deficiency diseases, Immunosuppressive drugs. BONES & JOINTS: a) Rheumatoid arthritis b) Gout c) S.L.E. d) Osteomalacia and Osteoporosis e) Ankylosing spondylitis/Reiter's Disease/Osteo- arthritis	20	30

Sl. No.	Name of the Unit	No. of Hours	
		Theory	Practical
	TOXICOLOGY : a) Introduction and general measures of management of poisoning b) Barbiturate poisoning. c) Organophosphorous poisoning d) Aluminum Phosphide poisoning e) Lead poisoning, Arsenic poisoning f) Carbon Monoxide poisoning, MIC Poisoning g) Copper sulphate and yellow oleander poisoning h) Chelating agents i) Drug overdose.		
3.	PULMONARY DISEASES & ENDOCRINOLOGY : PULMONARY DISEASES: a) Pneumonias b) Secondary Pneumonias/Lung abscess c) Bronchial asthma d) Chronic bronchitis, emphysema e) Bronchiectasis f) Pleural effusion, empyema g) Pneumothorax h) Pulmonary fibrosis-occupational lung disease i) Bronchogenic carcinoma j) Respiratory failure k) A.R.D.S l) Cystic fibrosis/pulmonary eosinophilia Loeffler's Syndrome m) Pulmonary function tests n) Pulmonary tuberculosis o) Occupational lung diseases ENDOCRINOLOGY: a) Thyrotoxicosis b) Myxoedema c) Anterior Pituitary gland d) Posterior Pituitary gland e) Addison's disease f) Cushing's syndrome g) Hyperaldosteronism, Pheochromocytoma h) Hyper-parathyroidism i) Hypoparathyroidism j) Hypogonadism k) Pineal gland l) Hypoglycaemia m) Diabetes Mellitus	20	30

Sl. No.	Name of the Unit	No. of Hours	
		Theory	Practical
4.	KIDNEY, G.I.T. & LIVER : KIDNEY : a) Renal imaging b) Acute Nephritis c) Nephrotic syndrome d) Nephrotic syndrome-individual types e) Urinary tract infections including pyelonephritis f) Acute renal failure g) Chronic renal failure h) Renal Tubular acidosis i) Polycystic kidney/drug induced nephropathy	20	30

G.I.T & LIVER

- Dysphagia
- Acid peptic disease
- Malabsorption syndrome
- Inflammatory bowel disease
- Irritable bowel syndrome
- Tropical sprue & coeliac disease
- Liver function tests
- Acute Hepatitis
- Chronic hepatitis
- Cirrhosis of liver
- Hepatic encephalopathy
- Portal hypertension
- Acute Pancreatitis
- Chronic pancreatitis
- Hepatoma/Liver transplantation.

PAPER-II

Sl. No.	Name of the Unit	No. of Hours	
		Theory	Practical
5	PSYCHIATRY	7	13
6.	C.V.S., C.N.S. : C.V.S. a) Acute rheumatic fever b) Mitral stenosis c) Mitral regurgitation and tricuspid regurgitation d) Aortic stenosis and aortic regurgitation e) Congestive heart failure f) Infective endocarditis g) Hypertension h) Ischaemic heart disease- i) Pericardial effusion, constrictive pericarditis. j) Cardiomyopathy k) Arrhythmias including atrial fibrillation l) Cardio-pulmonary resuscitation m) Congenital heart disease	20	30

C.N.S.:

- a) Cranial nerves – trigeminal neuralgia, Bell's palsy
- b) Coma
- c) Pyogenic meningitis
- d) Tuberculous meningitis
- e) Encephalitis
- f) C.V.A – (Ischaemic)
- g) C.V.A. – (Haemorrhagic)
- h) Epilepsy
- i) Headache – Malignant
- j) Motor neurone disease
- k) Parkinsonism and Chorea
- l) Demyelinating diseases
- m) Myopathy and myasthenia
- n) Syphilis of nervous system
- o) Peripheral neuritis /syringomyelia
- p) Paraplegia / Raised I.C.T

7. INFECTIOUS DISEASES, TROPICAL DISEASES, VITAMINS, 20 30
 NUTRITION, ONCOLOGY, GERIATRIC MEDICINE, AIDS,
 GENETICS ETC.

INFECTIOUS DISEASES :

- a) Staphylococcal & Streptococcal infections
- b) Diphtheria, Pertussis
- c) Tetanus – Botulism
- d) Enteric fever, food poisoning
- e) Cholera, Shigella
- f) Pasteurella, Anthrax, Brucellosis
- g) Mumps / Measles /German Measles
- h) Chicken pox, small pox
- i) Herpes, Yellow fever
- j) Typhus fever
- k) Haemorrhagic viral fevers
- l) Influenza
- m) Leptospirosis
- n) Fungal infections-systemic
- o) Nosocomial infections

TROPICAL DISEASES :

- a) Malaria including cerebral Malaria
- b) Kala – azar
- c) Nematodes
- d) Cestodes
- e) Amoebiasis
- f) Filariasis
- g) Guinea worm
- h) Snake bite
- i) Heat & environmental diseases

VITAMINS & NUTRITION :

- a) Vit. A and Vit.D
- b) B-complex deficiency
- c) C,K&E
- d) Obesity
- e) Anti- oxidants/ Trace elements
- f) Total parenteral nutrition.

ONCOLOGY :
GERIATRIC MEDICINE :
GENETICS :
A.I.D.S.

8.	PSYCHIATRY	7	13
9.	DERMATOLOGY& VENEREOLOGY	10	20

NOTE: Out of 370 classes 1/3rd should be for Theory and the remaining 2/3rd classes shall be for Lecture Demonstration/ Integrated teaching.

Text Books Recommended:

- a. Davidson's Principles and practice of Medicine.
- b. Latest edition of Kumar & clark's Clinical Medicine.
- c. Tropical Medicine from 14th edition of Davidson's Principles and Practice of Medicine. (as the chapter is deleted in the present edition.)
- d. Parasitology in relation to Clinical Medicine by KD Chatterjee.

Clinical Methods Books recommended:

- 1) Hutchison's Clinical Method.
- 2) Macleod's Clinical Examination
- 3) Chamberlain's Clinical Methods.

*** Reference Books:**

- 1) Harrison's Principles of Medicine
- 2) Cecils Test book of Medicine
- 3) Oxford text book of Medicine
- 4) Brain's Neurology, Cardiology 'HURST' API Text Book of Medicine.

Paper – I	Paper - II
a. Haematology:	a. Psychiatry
b. Immunology, bones & joints, toxicology	b. C.V.S., C.N.S.
c. Pulmonary diseases & endocrinology	c. Infectious diseases, tropical diseases, vitamins, nutrition, oncology, geriatric medicine, aids, genetics etc.
d. Kidney, G.I.T.& liver :	d. Psychiatry
	e. Dermatology& Venereology