

## Curriculum and Syllabus Page

### Introduction

- **GOAL:**

The broad goal of the teaching of undergraduate students in medicine is to have the knowledge, skills and behavioural attributes to function effectively as the first contact physician.

- **Objective:**

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

- Diagnose common clinical disorders with special reference to infectious diseases, nutritional disorders, tropical and environmental diseases;
- Manage of acute emergencies promptly and efficiently and decide the timing and level of referral, if required;
- Assist the common bedside investigative procedures like pleural tap, lumbar puncture, bone marrow aspiration/biopsy and liver biopsy.

## Curriculum and Syllabus details

### III. Clinical Terms & Course Distribution in Medicine

Posting	Duration	Semester	Syllabus
	2 wks	3 <sup>rd</sup>	Orientation and history taking
1 <sup>st</sup>	8 wks	3 <sup>rd</sup> & 4 <sup>th</sup>	History taking G/E,P/A& RS examination Ward Procedures, medical emergencies Case Presentations
2 <sup>nd</sup>	6 wks	5 <sup>th</sup>	CVS examination, ECG Medical Emergencies Instruments & Drugs Case Presentations
3 <sup>rd</sup>	8 wks	8 <sup>th</sup>	CNS examination X-rays Instruments & Drugs Case Presentations – all systems
4 <sup>th</sup>	4 wks	9 <sup>th</sup>	Case Presentations – all systems Revision of ECG & X-rays, Ward Procedures & Medical Emergencies Revision of Instruments & Specimens

Total = 28 wks

Months	Semesters (for regular batch)			
Aug-Jan	3 <sup>rd</sup> - 1 <sup>st</sup> clin term	5 <sup>th</sup> - 2 <sup>nd</sup> clin term		9 <sup>th</sup> - 4 <sup>th</sup> clin term
Feb-Jul	4 <sup>th</sup> - 1 <sup>st</sup> clin term		8 <sup>th</sup> - 3 <sup>rd</sup> Clin term	

Months	Semesters (for casual batch)			
Feb-Jul	3 <sup>rd</sup> - 1 <sup>st</sup> clin term	5 <sup>th</sup> - 2 <sup>nd</sup> clin term		9 <sup>th</sup> - 4 <sup>th</sup> clin term
Aug-Jan	4 <sup>th</sup> - 1 <sup>st</sup> clin term		8 <sup>th</sup> - 3 <sup>rd</sup> Clin term	

#### IV. SCHEME FOR INTERNAL ASSESSMENT

##### Internal Assessment

**Theory 30 + Practical 30 = 60 Marks**

##### Theory Internals of Medicine & Allied – 30m



##### Practical Internals of Medicine & Allied – 30m



##### Theory Exams

###### a) Unit Tests

Dept	Semester	Unit Tests
Medicine	4+5	1
	6+7	3
	8+9	6
		Total = 10
Dermatology	6+7	2
Psychiatry	6+7	1
Resp Med	6	1
Radiology	7	1

###### b) Prelim at the end of 9th semester

Dept	Marks
Medicine	90
Dermatology	10
Psychiatry	10
Respiratory Medicine	10
Radiology	--
<b>Total</b>	<b>120</b>

c) Calculation of Theory Internals

Dept	Unit Tests	Prelims	Total Marks	Calculated out of
Medicine	10	10	20	20
Dermatology	20	10	30	4
Psychiatry	10	10	20	2
Resp Med	10	10	20	2
Radiology	10	--	10	2
<b>Total</b>				<b>30</b>

Practical Exams

Dept	Ward leaving exams (No)	Prelims	Total Marks	Calculated out of
Medicine	10 (4 ex)	10	20	20
Dermatology	10 (1)	--	10	4
Psychiatry	10 (1)	--	10	2
Resp Med	10 (1)	--	10	2
Radiology	10 (1)	--	10	2
<b>Total</b>				<b>30</b>



### V. COURSE DISTRIBUTION FOR CLINICS

SN	Topic groups	No of clinics				
		1 <sup>st</sup> Term	2 <sup>nd</sup> Term	3 <sup>rd</sup> Term	Total	4 <sup>th</sup> term
1	Ward Procedures	15			15	
2	Medical Emergencies	3	11		14	4
3	Symptomatology (Gen+RS+PA)	14			14	
4	G/E	13			13	
5	P/A	7			7	2
6	RS	10			10	2
7	CVS		20		20	4
8	ECG, X-rays		9	4	13	
9	CNS			20	20	
10	Drugs, instruments etc.			26	26	8
11	Case presentations	18	20	30	68	20
	<b>Totals</b>	80	60	80	220	40

<b>1. Ward Procedures</b>	
<b>WP-1</b>	Blood collection, Identification & uses of various bulbs, iv / im injections, inserting an intracath
<b>WP-2</b>	Syringes & needles of various sizes & materials, infusion/micro/BT sets, setting up an infusion/BT, Insulin / tuberculin syringe
<b>WP-3</b>	Oropharyngeal airways & their insertion, Suction catheters, tracheostomy tubes, Nebulizer, Peak Flow meter, inhaler, spacer, rotahaler
<b>WP-4</b>	Ryle's tube, Stomach tube, flatus tube, enema tube - indications, procedure, C/I, complications.
<b>WP-5</b>	Various types of catheters, Catheterization - indications, procedure, C/I, complications.
<b>WP-6</b>	Ascitic tapping - indications, procedure, C/I, complications, analysis of ascitic fluid.
<b>WP-7</b>	Pleural tapping, 3-way valve, analysis of pleural fluid,
<b>WP-8</b>	LP needles, Lumbar puncture - indications, procedure, contra-indications, complications
<b>WP-9</b>	Laryngoscope, Ambu's bag, Intubation - indications, procedure, contra-indications, complications
<b>WP-10</b>	Bone Marrow needles, aspiration & biopsy - indications, procedure, C/I, complications.
<b>WP-11</b>	Intercostal Drainage - indications, procedure, contra-indications, complications.
<b>WP-12</b>	Liver Biopsy needles, Liver biopsy - indications, procedure, contra-indications and complications.
<b>WP-13</b>	Various types of infusions, Blood transfusion.
<b>WP-14</b>	CPR - Basic Life Support.
<b>WP-15</b>	CPR - Advanced Life Support.

<b>2. Medical Emergencies</b>	
<b>ME1</b>	O.P poisoning (incl drugs: atropine, pralidoxime)
<b>ME2</b>	Ac gastroenteritis & Food poisoning, Management of severe dehydration (incl v fluids)
<b>ME3</b>	GI Bleeding, (incl drugs used in Mx)
<b>ME4</b>	Hepatic encephalopathy ((incl drugs used in Mx))
<b>ME5</b>	DKA
<b>ME6</b>	Anaphylaxis, Status asthmaticus
<b>ME7</b>	Mx of Seizures, status epilepticus (incl drugs used in Mx)
<b>ME8</b>	Mx of unconscious patient
<b>ME9</b>	Snake Bite (incl drugs: ASV, neostigmine)
<b>ME10</b>	Mx of Acute Coronary Syndrome (ACS) (incl streptokinase, Aspirin, Clopidogrel, Nitroglycerin, Heparin)
<b>ME11</b>	Mx of Heat Stroke
<b>ME12</b>	Mx of Scorpion Bite, Drowning, electric shock
<b>ME13</b>	Mx of Tachyarrhythmias (incl drugs used in Mx)
<b>ME14</b>	Mx of Bradyarrhythmias (incl drugs used in Mx)

<b>3. Symptomatology (Gen, PA, RS)</b>			
<b>Symp-1</b>	Anorexia, Weight loss	<b>Symp-8</b>	Diarrhoea
<b>Symp-2</b>	Fever	<b>Symp-9</b>	Constipation
<b>Symp-3</b>	Weight gain	<b>Symp-10</b>	Abdominal distension
<b>Symp-4</b>	Hematemesis,	<b>Symp-11</b>	Genitourinary symptoms
<b>Symp-5</b>	Melena, hematochezia	<b>Symp-12</b>	Dyspnoea
<b>Symp-6</b>	Dysphagia, abdominal pain	<b>Symp-13</b>	Cough & Sputum
<b>Symp-7</b>	Nausea, vomiting, indigestion	<b>Symp-14</b>	Haemoptysis
<b>4. General Examination</b>			
<b>G/E-1</b>	Pallor - Anaemia	<b>G/E-7</b>	Blood Pressure
<b>G/E-2</b>	Head to toe - gen examination	<b>G/E-8</b>	Temperature, Respiration
<b>G/E-3</b>	Clubbing, koilonychia	<b>G/E-9</b>	Pulse
<b>G/E-4</b>	Consciousness & Orientation	<b>G/E-10</b>	Cyanosis
<b>G/E-5</b>	Oedema - Anasarca	<b>G/E-11</b>	Signs of Liver Cell Failure
<b>G/E-6</b>	Built & Nutrition	<b>G/E-12</b>	Icterus - Jaundice
<b>G/E-13</b>	Examination of lymph nodes - Approach to lymphadenopathy		

<b>5. Per abdomen System</b>			
<b>PA-1</b>	Format for PA Examination, Examination of oral cavity,	<b>PA-4</b>	Percussion & auscultation of P/A system
<b>PA-2</b>	Inspection of abdomen	<b>PA-5</b>	Clinical Presentation of Cirrhosis & Portal HT
<b>PA-3</b>	Palpation of P/A system	<b>PA-6</b>	Hepatomegaly & Splenomegaly
<b>PA-7</b>	Investigations in Gastrointestinal Disease (Biochemistry, Imaging)		

<b>6. Resp System</b>			
<b>RS-1</b>	Examn of URT, Insp of Resp System	<b>RS-6</b>	Clinical Presentation & D/D of Pneumonia
<b>RS-2</b>	Palpation of Resp System	<b>RS-7</b>	Clinical Presentation & D/D of Pleural Effusion
<b>RS-3</b>	Percussion of Resp System	<b>RS-8</b>	Clinical Presentation & D/D of COPD
<b>RS-4</b>	Auscultation of Resp System	<b>RS-9</b>	X-ray Chest in Health and Chest Disease
<b>RS-5</b>	Auscultation of Resp System	<b>RS-10</b>	Pulm Function Tests, Sputum Ex, Bronchoscopy, CT Chest in diagnosis of respiratory Disorders

<b>7. CVS Examination</b>			
<b>CVS-1</b>	Chest Pain	<b>CVS-10</b>	CVS - Inspection
<b>CVS-2</b>	Palpitations	<b>CVS-11</b>	CVS-Palpation
<b>CVS-3</b>	Cyanosis	<b>CVS-12</b>	CVS-Percussion, Auscultation
<b>CVS-4</b>	Syncope	<b>CVS-13</b>	CVS-Auscultation
<b>CVS-5</b>	Arterial Pulse	<b>CVS-14</b>	CVS-Auscultation
<b>CVS-6</b>	JVP	<b>CVS-15</b>	Clinical Presentation of MS
<b>CVS-7</b>	Blood Pressure	<b>CVS-16</b>	Clinical Presentation of MR
<b>CVS-8</b>	Peripheral signs of AR	<b>CVS-17</b>	Clinical Presentation of AS
<b>CVS-9</b>	Palpation of Periph pulses, BP in other extremities	<b>CVS-19</b>	Clinical Presentation of ASD/VSD
<b>CVS-18</b>	Clinical Presentation of AR	<b>CVS-20</b>	Clinical Presentation of LVF/CCF

<b>8. CNS Examination</b>			
<b>CNS-1</b>	Muscle weakness /paralysis	<b>CNS-11</b>	Motor Function examination
<b>CNS-2</b>	Sensory disturbances	<b>CNS-12</b>	Examination of involuntary movements
<b>CNS-3</b>	Format of CNS examination Higher Functions	<b>CNS-13</b>	Examination of reflexes
<b>CNS-4</b>	Cranial nerves - Optic nerve	<b>CNS-14</b>	Examination of reflexes
<b>CNS-5</b>	Cranial nerves - I, IX nerves	<b>CNS-15</b>	Examination of back & spine
<b>CNS-6</b>	Cranial nerves - III, IV & VI ns	<b>CNS-16</b>	Examination of gait
<b>CNS-7</b>	Cranial nerves - V & VIII nerves	<b>CNS-17</b>	Examination of cerebellar signs
<b>CNS-8</b>	Cranial nerves - Facial nerve	<b>CNS-18</b>	Examination of meningeal signs
<b>CNS-9</b>	Cranial nerves - X & XI nerves	<b>CNS-19</b>	Neurogenic Bladder
<b>CNS-10</b>	Sensory Function examination	<b>CNS-20</b>	Clinical presentation of Hemiplegia

<b>9. Drugs</b>	
<b>Drugs-1</b>	Drugs - Artesunate / Arteether
<b>Drugs-2</b>	Drugs - Chloroquine / Quinine/ Other ACTs
<b>Drugs-3</b>	Drugs - Ampicillin, CP, Benzathine Penicillin, Procaine Penicillin, Cloxacillin
<b>Drugs-4</b>	Drugs - Ceftriaxone, Cefotaxime, Ceftazidime, Cefaperazone, Cephalexin, Cefachlor, Cefuroxime, Cefixime
<b>Drugs-5</b>	Drugs - Vancomycin, Piperacillin, Linezolid
<b>Drugs-6</b>	Drugs - Ciprofloxacin, Ofloxacin, Norfloxacin, Levofloxacin
<b>Drugs-7</b>	Drugs - Metronidazole, Clindamycin
<b>Drugs-8</b>	Drugs – Adrenaline, Noradrenaline,
<b>Drugs-9</b>	Drugs - iv fluids: crystalloids & colloids
<b>Drugs-10</b>	Drugs - Dopamine, Dobutamine
<b>Drugs-11</b>	Drugs - Digoxin, NTG
<b>Drugs-12</b>	Drugs - Xylocard, Verapamil, Diltiazem, Metoprolol
<b>Drugs-13</b>	Drugs – Adenosine, Amiodarone
<b>Drugs-14</b>	Drugs - Nifedipine, amlodipine, enalapril, losartan, Chlorthalidone
<b>Drugs-15</b>	Drugs - Heparin, LMWH
<b>Drugs-16</b>	Drugs - Deriphylline, Aminophylline
<b>Drugs-17</b>	Drugs - Salbutamol, salmeterol, Ipratropium, steroids
<b>Drugs-18</b>	Drugs – Pralidome, Atropine, Neostigmine
<b>Drugs-19</b>	Drugs - Soda bicarbonate, Ca gluconate,
<b>Drugs-20</b>	Drugs - KCl, 25% Dextrose
<b>Drugs-21</b>	Drugs - Mannitol, epsolin
<b>Drugs-22</b>	Drugs - Ranitidine, Pantaprazole, Metoclopramide, Ondansetron, Phenargan
<b>Drugs-23</b>	Drugs - Methylprednisolone, Lactulose, Liquid Paraffin, Sucralfate
<b>Drugs-24</b>	Drugs - Insulin and insulin analogues
<b>Drugs-25</b>	Drugs - Nitrates, Aspirin, Clopidogrel, Streptokinase & other thrombolytic
<b>Drugs-26</b>	Drugs – Anti-epileptic agents, sedatives, opioids, NSAIDs

<b>10. ECG</b>			
<b>ECG-1</b>	Normal ECG	<b>ECG-7</b>	Extra beats, Pauses, Escape rhythms
<b>ECG-2</b>	ECG - Waves, intervals, axis	<b>ECG-8</b>	Cardiac ischemia
<b>ECG-3</b>	Axis deviation	<b>ECG-9</b>	Myocardial infarction
<b>ECG-4</b>	Left ventricular Hypertrophy	<b>ECG-10</b>	ECG – Revision
<b>ECG-5</b>	Right Ventricular Atrophy	<b>ECG-11</b>	Heart Blocks
<b>ECG-6</b>	RAE, LAE & Biatrial enlargement	<b>ECG-12</b>	Tachyarrhythmias
<b>ECG-13</b>	Electrolyte disturbances		

<b>11. X-rays</b>			
<b>ECG-1</b>	Normal Chest X-ray PA view	<b>ECG-7</b>	CXR s/o Pneumothorax
<b>ECG-2</b>	CXR in Mitral stenosis	<b>ECG-8</b>	CXR s/o Hydro pneumothorax
<b>ECG-3</b>	CXR s/o COPD	<b>ECG-9</b>	CXR s/o Consolidation
<b>ECG-4</b>	CXR s/o Dextrocardia	<b>ECG-10</b>	CXR s/o coin shaped lesion
<b>ECG-5</b>	CXR s/o Pleural Effusion	<b>ECG-11</b>	CXR s/o military mottling

**Department of Medicine and Allied Specialties**  
**List of Lectures in Medicine**

Semester	System	Hours	Total
4+5	Symptomatology	34	40
	Nutrition-1	06	
6+7	Infectious diseases	31	120
	GIT (incl liver & pancreas)	27	
	Environmental hazards	11	
	Endocrinology	14	
	Nutrition-2	05	
	Nephrology	17	
	Collagen Vascular Disorders	11	
8+9	Buffer	04	141
	CVS	43	
	Resp System	24	
	CNS	28	
	Haematology	21	
	Genetics	04	
	Tutorials (Tutors & R2)	21	
	Total	301	301

**Introduction to Medicine (4 + 5 semesters) - 34 Hrs**

S No	Name of Chapter	Name of Topic	No of Class	Total
1	Introduction To Medicine	History of Medicine	1	2
		Concept & objectives of history taking, Diagnosis, Provisional Diagnosis, Differential diagnosis	1	
2	Symptomatology of Cardiovascular Diseases.	Dyspnoea + chest pain	1	6
		Edema + Palpitation + syncope	2	
		Clubbing + Cyanosis	1	
		JVP + Pulse + B.P.	2	
3	Symptomatology of Respiratory dis.	Cough + Sputum + Hemoptysis	1	1
4	Symptomatology in Nervous system.	Motor functions UMN + LMN	2	9
		Ataxia (+ testing of coordination)	1	
		Sensory disturbances	2	
		Lobe dysfunction + Speech	1	
		Vertigo + Headache	1	
		Testing of cranial nerves	2	
	<b>Unit Test-1</b>		1	1

**Department of Medicine and Allied Specialties****List of Lectures in Medicine****Introduction to Medicine (4 + 5 semesters) - 34 Hrs contd....**

S No	Name of Chapter	Name of Topic	No of Class	Total
5	Symptomatology in Gastrointestinal and Hepatobiliary diseases.	Nausea, Vomiting, Indigestion Dysphagia	1	7
		Abd. pains + Diarrhoea + Constipation	2	
		Jaundice	1	
		Evaluation of hematemesis, malena, hematochezia	1	
		Palpation of liver & spleen, signs of free fluid in abdomen	1	
		D/D of abdominal swelling, ascites, hepatosplenomegaly	1	
5	General symptoms & examination	Fever : Types, diagnostic approach	1	4
		Built & Nutrition, weight loss/gain, anorexia	1	
		Lymphadenopathy : Examination of various groups, diagnostic approach	2	
6	Investigations	X-ray, USG	1	3
		C.T./M.R.I. Scan		
		Peripheral smear	2	
		Secretions/fluids examination		
		Urine examination		
		F.N.A.C.		
	<b>Unit Test-2</b>		1	1
		<b>Total</b>		<b>34</b>

**Nutrition - 1 (4 + 5 semesters) -6 Hrs**

S No	Name of Chapter	Name of Topic	No of Class	Total
7	Nutrition-1	Concepts of carbohydrate, proteins, fats, vitamins and minerals; Balanced Diet.	1	5
		Vitamin deficiency states: Scurvy/Beriberi/Pellagra/Vit.A/Vit.D/Vit.K	2	
		Hypervitaminosis	1	
		Trace elements + Antioxidants	1	
	<b>Unit Test-3</b>		1	1
		<b>Total</b>		<b>6</b>

**Department of Medicine and Allied Specialties**  
**List of Lectures in Medicine**

**Infectious Diseases (6 + 7 semesters) – 31 Hrs**

S No	Name of Chapter	Name of Topic	No of Class	Total
<b>8a</b>	Infectious Diseases-1	Introduction	<b>2</b>	<b>16</b>
		Infections – types, Modes of Infection transmission, Incubations period, Host defences, Immunity & Immunization & Management including prevention. (including various antibiotic groups)		
		Malaria		
		Typhoid fever		
		Gastroenteritis, Cholera, Dysentery, Amebiasis, Mx of dehydration		
		Leptospirosis		
		Viral haemorrhagic fever and Dengue		
		Swine flu & other influenzas		
		Exanthematous fevers		
		Meningococcal infections		
		Chikungunya & other viral fevers		
	<b>Unit Test-4</b>		<b>1</b>	
<b>8b</b>	Infectious Diseases-2	Tetanus	<b>1</b>	<b>15</b>
		Rabies; Plague	<b>1</b>	
		(HIV) Infection & AIDS	<b>2</b>	
		Syphilis	<b>1</b>	
		Worm infestations: Round worms / Hook worms / Tape worms / Filariasis	<b>3</b>	
		Nosocomial infections & their control	<b>1</b>	
		Diagnosis and Treatment of Fungal Infections	<b>1</b>	
		Herpes Simplex & Varicella-Zoster Viruses	<b>1</b>	
		Sepsis and Septic Shock	<b>1</b>	
		Fever, D/D of fever with rash	<b>1</b>	
		Fever of Unknown Origin	<b>1</b>	
	<b>Unit Test-5</b>		<b>1</b>	
		<b>Total</b>		<b>31</b>

**Department of Medicine and Allied Specialties**

**List of Lectures in Medicine**

**Gastroenterology (6 + 7 semesters) – 14 Hrs**

S No	Name of Chapter	Name of Topic	No of Class	Total
9a	Gastroenterology	Introduction to GIT Oral Cavity Ulcers Oral manifestation of systemic diseases	1	14
		Examination of abdomen: Inspection & Palpation Percussion & Auscultation	2	
		Upper G.I. Bleeding	1	
		G.E.R.D + Hiatus Hernia	1	
		Achalasia Cardia	1	
		Stomach Peptic ulcers Aetiopathogenesis Clinical features Investigations D/D & Mx of Acute & Chronic gastritis	2	
		Small and large intestine diseases Secretions & functions Mal-absorption-syndrome Irritable bowel syndrome	2	
		Tuberculosis of Abdomen	1	
		Ulcerative colitis & Crohn's disease	2	
		<b>Unit Test-6</b>		
	<b>Total</b>		<b>14</b>	

**Liver + Pancreas (6 + 7 semesters) – 13 Hrs**

S No	Name of Chapter	Name of Topic	No of Class	Total
9b	Liver + Pancreas	Introduction-LFT & their interpretation	1	13
		Bilirubin metabolism, Hyperbilirubinemias	1	
		Hepatitis – Acute Hepatitis – Chronic	2	
		Cirrhosis of liver + Hepatic Encephalopathy (Liver transplant)	2	
		Portal hypertension	1	
		Alcoholic Liver Disease	1	
		NASH	1	
		Drug induced liver injury	1	
		Gall bladder diseases	1	
		Ac. Pancreatitis	1	
		Ch. Pancreatitis	1	
		<b>Total</b>		

**Department of Medicine and Allied Specialties**  
**List of Lectures in Medicine**  
**Environmental Hazards / emergencies (6 + 7 semesters) – 11 Hrs**

S No	Name of Chapter	Name of Topic	No of Class	Total
<b>10</b>	Environmental Hazards / emergencies	Poisoning – General Principles Symptomatology Suspicion Evaluations Management	<b>1</b>	<b>11</b>
		Insecticide Poisoning Organophosphorous: Carbamate & non-carbamate Organochlorous Aluminium phosphide	<b>1</b>	
		Methyl Alcohol & barbiturate poisoning	<b>2</b>	
		Snake bite	<b>1</b>	
		Scorpion & Bee sting	<b>1</b>	
		Hyperpyrexia and Heat exhaustion Aetiology Types Clinical features Management Preventive measures	<b>1</b>	
		Electrical injury Types Manifestations Management Lightening	<b>1</b>	
		Biological warfare. (Bioterrorism)	<b>1</b>	
		Drowning, hanging	<b>1</b>	
		<b>Unit Test-7</b>		
	<b>Total</b>		<b>11</b>	

**Nutrition - 2 (6 + 7 semesters) – 5 Hrs**

S No	Name of Chapter	Name of Topic	No of Class	Total
<b>7b</b>	Nutrition-2	Obesity Diagnosis Complications and management	<b>1</b>	<b>4</b>
		Anorexia nervosa + Bulimia	<b>1</b>	
		T.P.N. (Total Parental Nutrition)	<b>1</b>	
		Water + electrolyte imbalance.	<b>1</b>	
<b>Unit Test-8</b>			<b>1</b>	<b>1</b>
	<b>Total</b>			<b>5</b>

**Department of Medicine and Allied Specialties**  
**List of Lectures in Medicine**  
**Endocrinology (6 + 7 semesters) – 14 Hrs**

S No	Name of Chapter	Name of Topic	No of Class	Total	
11	Endocrinology	Introduction – Hormones Concept Types Action Endocrine system General Control	1	14	
		Pituitary Anatomy Regulation Disorders of Ant. Pituitary Disorders of Post Pituitary	2		
		Thyroid Anatomy Regulation Hyperthyroidism Hypothyroidism Thyroid crisis	2		
		Adrenal gland Regulation Addison's & Cushing syndrome Conn's syndrome Pheochromocytoma	2		
		Vit D. Metabolism Ca. Metabolism and its relations to parathyroid Diagnosis & management of related disorders	2		
		Diabetes Mellitus	3		
		Multiple Endocrine Neoplastic Syndrome and paraneoplastic syndrome - Overview.	1		
		<b>Unit Test-9</b>	<b>1</b>		
			<b>Total</b>		

**Department of Medicine and Allied Specialties****List of Lectures in Medicine****Nephrology (6 + 7 semesters) – 17 Hrs**

S No	Name of Chapter	Name of Topic	No of Class	Total
12	Nephrology	Anatomy & Physiology of Urinary system; R.F.T. (Renal Function Tests)	1	17
		Approach towards common problem I) Proteinuria II) Haematuria III) Renal colic	1	
		Urinary Examination	1	
		Fluid and Electrolyte Disturbances (Na/K/Ca)	2	
		Acidosis and Alkalosis	1	
		Renal function tests	1	
		Glomerulonephritis	2	
		Urinary tract infections Upper + Lower	2	
		Nephrotic syndrome	1	
		Acute renal failure	1	
		Chronic renal failure Dialysis in the Mx of RF	3	
			<b>Unit Test-9</b>	
		<b>Total</b>		<b>17</b>

**Collagen Vascular Disorders (6 + 7 semesters) – 11 Hrs**

S No	Name of Chapter	Name of Topic	No of Class	Total
13	Collagen Vascular Disorders	Allergy – Types & evaluation	2	11
		SLE.	1	
		Rheumatoid arthritis.	2	
		Seronegative arthritis	1	
		Systemic sclerosis + MCD	1	
		Vasculitis including PAN	1	
		Amyloidosis	1	
		Sarcoidosis	1	
	<b>Unit Test-10</b>		1	
		<b>Total</b>		<b>11</b>

**Department of Medicine and Allied Specialties**  
**List of Lectures in Medicine**  
**Cardiovascular disorders (8 + 9 semesters) – 43 Hrs**

S No	Name of Chapter	Name of Topic	No of Class	Total
14	Cardiovascular disorders	Introduction: Function/Anatomy/Physiology & its applications; various terminologies used	1	43
		Inspection, palpation & percussion of precordium, the apical impulse	1	
		Auscultation of CVS	3	
		Normal ECG	1	
		ECG: Chamber hypertrophy, axis abnormalities	1	
		ECG changes in IHD	1	
		ECG: Bradyarrhythmias	1	
		ECG: Tachyarrhythmias	1	
		TMT, Echo & other non-invasive tests	1	
		Invasive evaluation of CVS	1	
		Rheumatic fever	1	
		Presentation and haemodynamic of various Valvular lesions including investigations, Diagnosis, D/D, Treatment & Prevention.	4	
		Infective endocarditis	1	
		C.A.D. (Coronary artery disease)	3	
		Arrhythmias: Concept & Classification Presentation, Diagnosis & Pharmacotherapy in short	4	
		Cardiac arrest (BLS/ACLS)	2	
		Heart failure: Types, Presentations Pathophysiology & Management	2	
		C.H.D. A.S.D., V.S.D., P.D.A. Coarctation of Aorta Fallot's Tetralogy, Aetiology and classn CHD in adults & importance	3	
		Pericardial diseases	2	
		Cardiomyopathy	1	
		Hypertension – Essential & Secondary	2	
		Hyperlipidaemias	1	
		Pulmonary Hypertension & Cor-P	1	
DVT + Pulmonary embolism	1			
Shock: Types/ Pathophysiology /Complications / Mx	2			
<b>Unit Test-11</b>		1		
		<b>Total</b>		<b>43</b>

**Department of Medicine and Allied Specialties****List of Lectures in Medicine****Respiratory System (8 + 9 semesters) – 24 Hrs**

S No	Name of Chapter	Name of Topic	No of Class	Total
15	Respiratory System	Inspection & palpation of the system	1	24
		Percussion of the respiratory system	1	
		Auscultation of the respiratory system	2	
		Pleural Effusion	1	
		Pneumothorax	1	
		Bronchial Asthma	2	
		Pneumonia , including Lung Abscess	2	
		Pulmonary Function tests	1	
		COPDs	1	
		Respiratory Failure & Mechanical Ventilatory Support	2	
		Acute Respiratory Distress Syndrome	1	
		Smoking and hazards, Bronchogenic Ca	2	
		X-rays of Chest	1	
		Interstitial Lung Diseases	1	
		Hypersensitivity Pneumonitis	1	
Environmental Lung Diseases	1			
Disorders of Ventilation	1			
Sleep Apnoea	1			
	<b>Unit Test-12</b>		1	
		<b>Total</b>		<b>24</b>

**Neurology (8 + 9 semesters) – 28 Hrs**

S No	Name of Chapter	Name of Topic	No of Class	Total
16a	Neurology-1	Introduction Applied anatomy & physiology History taking in neurology Investigations CSF – Formation and absorption Status in various disorders Imaging, E.M.G., E.E.G.	2	14
		Cerebrovascular Disease: Types & its differential diagnosis; Predisposing factors, Diagnosis and management	3	
		Space Occupying Lesions	2	
		Encephalitis	1	
		Meningitis	1	
		Epilepsy	2	
		Cerebellar syndrome	1	
		Parkinsonism	1	
			<b>Unit Test-13</b>	

**Department of Medicine and Allied Specialties**  
**List of Lectures in Medicine**  
**Neurology (8 + 9 semesters) – 28 Hrs**

S No	Name of Chapter	Name of Topic	No of Class	Total
<b>16b</b>	Neurology-2	Peripheral neuropathy	<b>2</b>	<b>14</b>
		Muscle disorders – Classification, Symptomatology, Duchenne + Bakers	<b>1</b>	
		Muscle disorders – Periodic Paralysis, Myositis	<b>1</b>	
		Muscle disorders – Myasthenia Gravis	<b>1</b>	
		Spinal cord disorders	<b>2</b>	
		MND	<b>1</b>	
		Multiple sclerosis	<b>1</b>	
		Headache – Migraine	<b>1</b>	
		Bell’s Palsy + Trigeminal Neuralgia	<b>1</b>	
		Approach to a patient of coma	<b>1</b>	
		Syncope	<b>1</b>	
	<b>Unit Test-14</b>		<b>1</b>	
		<b>Total</b>		<b>28</b>

**Haematology (8 + 9 semesters) – 21 Hrs**

S No	Name of Chapter	Name of Topic	No of Class	Total
<b>17</b>	Haematology	Introduction Cell line of haemopoiesis Stimulating factors Physiology and Anatomy of RBCs, WBCs, Platelets	<b>1</b>	<b>07</b>
		Anaemias Introduction Classification Symptoms & signs in general Basic investigations & its interpretation	<b>1</b>	
		Investigation for haemolytic anaemia	<b>1</b>	
		Iron deficiency anaemia	<b>1</b>	
		Megaloblastic anaemia	<b>1</b>	
		Haemolytic anaemia – Classification Sickle cell anaemia Thalassemia Other haemolytic anaemia	<b>2</b>	

**Department of Medicine and Allied Specialties****List of Lectures in Medicine****Hematology (8 + 9 semesters) – 21 Hrs contd.....**

S No	Name of Chapter	Name of Topic	No of Class	Total
17	Hematology	Hypoplastic/Aplastic anaemia Definition Classification Diagnosis & Mx incl intro to BM transplantation	1	13
		Acute Leukaemia – Classification Approach and Management	1	
		CML	1	
		CLL, Myelofibrosis	1	
		Agranulocytosis, Polycythemia, Thrombocytosis	1	
		Lymphomas Hodgkin's disease/NHL (Non- Hodgkin's lymphoma)	2	
		Coagulation and Hemostasis Mechanism and approach	1	
		Hemophilia, Von Willebrandts diseases	1	
		Purpura	1	
		Blood groups & Blood Transfusion & Component Therapy	1	
		Multiple myeloma	1	
Amyloidosis	1			
	<b>Unit Test-15</b>	Liver & pancreas + Nutrition-2	1	1
		<b>Total</b>		<b>21</b>

**Genetics (8 + 9 semesters) – 4 Hrs**

S No	Name of Chapter	Name of Topic	No of Class	Total
18	Genetics	Introduction	1	4
		Common genetic disorders – Klinefelters syndrome, Turners syndrome, X-linked recessive disorders.	1	
		Application of Genetic Engineering in Medicine – Recombinant D.N.A. technique and Gene therapy	1	
	<b>Unit Test-16</b>		1	
		<b>Total</b>		<b>4</b>

**Department of Medicine and Allied Specialties****List of Lectures in Medicine****Tutorials (8 + 9 semesters) – 21 Hrs**

S No	Name of Chapter	Name of Topic	No of Class	Total
19	Ward Procedures	Ryle's tube insertion, Foley's Catheterization	1	21
		Endotracheal intubation, Artificial ventilation	1	
		Lumbar Puncture	1	
		Liver biopsy	1	
		Bone marrow aspiration & biopsy	1	
		Ascitic & pleural fluid aspiration	1	
		Unit Test	1	
	Medical Emergencies	OP poisoning (incl drugs: atropine, pralidoxime)	1	
		Snake bite, scorpion sting (incl drugs: ASV, neostigmine)	1	
		Electric shock, drowning, hanging	1	
		Anaphylaxis, status asthmaticus	1	
		AMI, cardiac arrest	1	
		Status epilepticus	1	
		<b>Unit Test</b>	1	
	Drugs	CVS drugs: Streptokinase, dopamine, dobutamine, noradrenaline, adrenaline, amiodarone, adenosine, verapamil/ diltiazem, lignocaine	1	
		Antibiotics: Penicillins, cephalosporins, quinolones, aminoglycosides, Anti-staphylococcal abs, metrogyl, clindamycin	1	
		Chlorpheniramine, hydrocortisone, dexamethasone, methyl-prednisolone, aminophylline, deriphylline, salbutamol, terbutaline, ipratropium	1	
		i.v.fluids, plasma expanders, diazepam, lorazepam, epsolin,	1	
		Antibiotics: antimalarials, ART, AKT	1	
		CVS drugs: amiodarone, adenosine, verapamil/ diltiazem, lignocaine	1	
			<b>Unit Test-17</b>	1
	<b>Total</b>		<b>21</b>	