



**Dr. D. Y. PATIL VIDYAPEETH, PUNE**  
(Deemed to be University)

**Syllabus for  
III – MBBS  
(Part - II)**

**2014 - 15**  
**(Amended / Revised upto July 2019)**



**Dr. D.Y. PATIL VIDYAPEETH, PUNE**  
(Deemed to be University)

(Re-accredited by NAAC with a CGPA of 3.62 on a four point scale at 'A' Grade)  
(An ISO 9001 : 2015 Certified University)

**Dr. A. N. Suryakar**  
Registrar

Ref. No. : DPU/875-vii/2019

Date : 11/09/2019

**NOTIFICATION**

Whereas in pursuance of the following decisions taken by the Board of Management, it is hereby notified to all concerned that the **"Syllabus for III M.B.B.S. Part-I and Part II-2014-15"** is revised upto July 2019 and hereby published.

- Changes in syllabus for UG and PG in General Medicine, Pulmonary Medicine and General Surgery vide **Resolution No. BM-07-(iii)-4 dated 28<sup>th</sup> January, 2014.**
- Updation in UG and PG syllabus of General Medicine, **Obstetrics & Gynecology, Orthopedics, Anaesthesiology, ENT and Ophthalmology** vide **Resolution No. BM-04(i)-15, dated 31<sup>st</sup> March, 2015.**
- Structure format for evolution of History taking for 3<sup>rd</sup> Semester in General Medicine vide **Resolution No. BM-26(v)-15, dated 29<sup>th</sup> December, 2015.**
- Replacement of the term "one line answer by one Sentence answer in the Clinical subjects" vide **Resolution No. BM-26(ix)-15, dated 29<sup>th</sup> December, 2015**
- Introduction of Bioethical aspects in various chapters of all subjects vide **Resolution No. BM-26(xi)-15, dated 29<sup>th</sup> December, 2015**
- Modifications in UG Syllabus of Psychiatry vide **Resolution No. BM-17(ix)-16, dated 22<sup>nd</sup> September, 2016.**
- Consideration of weightage to the journal marks in internal assessment of III MBBS Clinical Subjects as continuous day to day assessment vide **Resolution No. BM-05(ii)-17, dated 7<sup>th</sup> April, 2017.**
- Conduct of prelim exam of 3<sup>rd</sup> MBBS only after the end of clinical postings, vide **Resolution No. BM-38(ix)-17, dated 27<sup>th</sup> December, 2017.**
- Enhancement of UG syllabus of General Medicine subject vide **Resolution No. BM-16(x)-18, dated 21<sup>st</sup> July, 2018.**
- Conduct of P.B.L. classes in E-library in the Department of Paediatrics vide **Resolution No. BM-35(ii)-18, dated 12<sup>th</sup> October, 2018.**
- Graduate Attributes, Programme Outcomes (POs), Course Outcomes (Cos) and gap analysis for all courses of UG and PG Programmes for Para-Clinical and **Surgical Subjects** vide **Resolution No. BM-10(vii)-19 dated, 12<sup>th</sup> April, 2019.**
- Interdisciplinary subjects (for **Surgical Subjects**) of M.B.B.S, M.D./M.S. and Super-specialty (D.M./M.Ch.) Programs under the Faculty of Medicine vide **Resolution No. BM-10(viii) dated 12<sup>th</sup> April, 2019.**




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- Graduate Attributes, Programme Outcomes (POs), Course Outcomes (Cos) outcome analysis of Pos and Cos and mapping with objectives for all courses of UG and PG Programmes of Pre-Clinical and **Medicine** Subjects under the Faculty of Medicine vide **Resolution No. BM-27(x)-19 dated 30<sup>th</sup> July, 2019.**
- Interdisciplinary subjects (**for Medicine Subjects**) of M.B.B.S, M.D./M.S. and Super-specialty (D.M./M.Ch.) Programs under the Faculty of Medicine vide **Resolution No. BM-27(xi) dated 30<sup>th</sup> July, 2019.**

The “Syllabus for III M.B.B.S. Part-I and Part II– 2014-15” Revised upto July 2019 will be useful to all the concerned. This will come into force with immediate effect.



  
(Dr. A. N. Suryakar)  
Registrar

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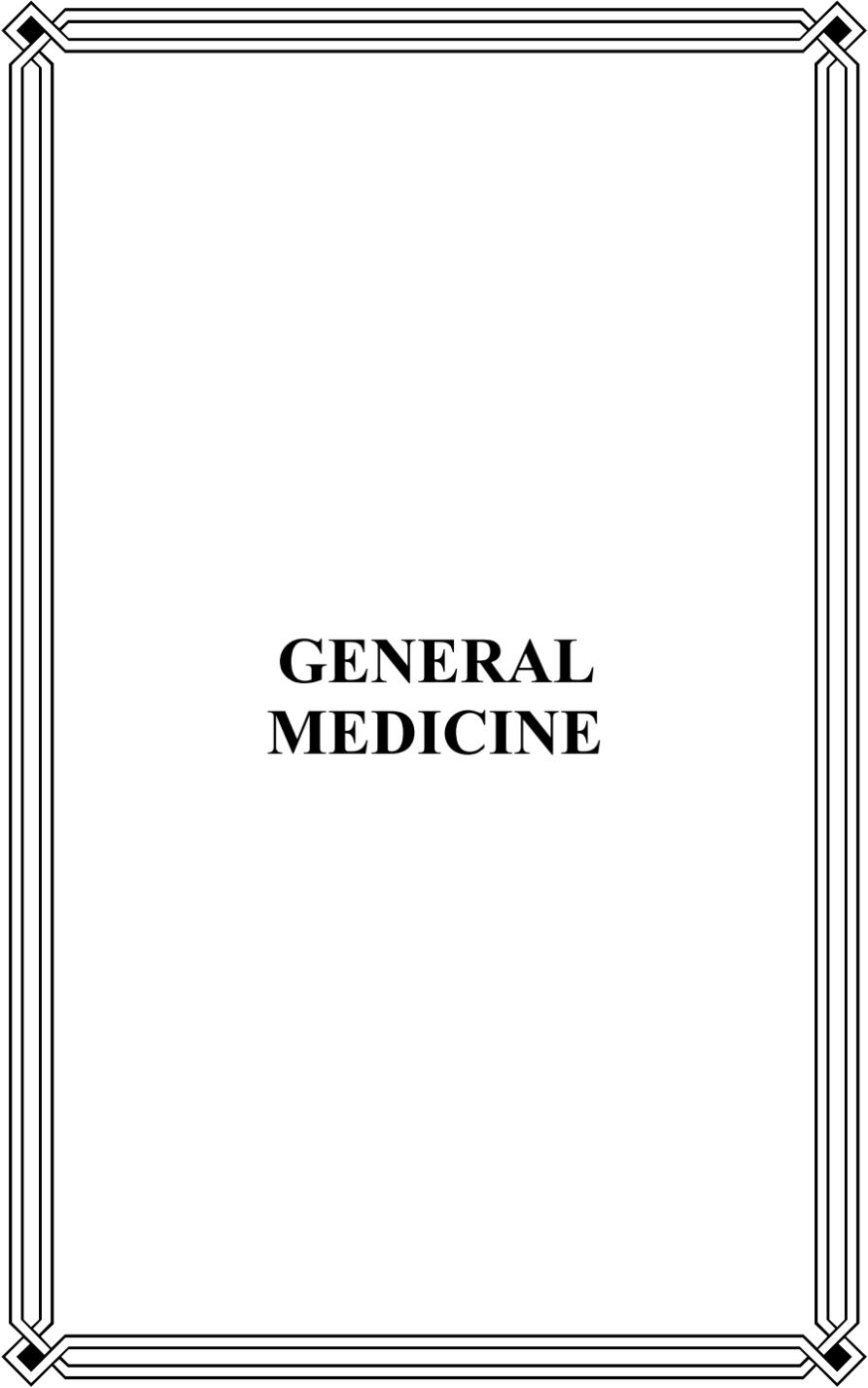
1. PS to Chancellor for kind information of Hon'ble Chancellor, Dr. D. Y. Patil Vidyapeeth, Pune.
2. PS to Vice Chancellor for kind information of Hon'ble Vice Chancellor, Dr. D. Y. Patil Vidyapeeth, Pune.
3. The Dean, Dr. D. Y. Patil Medical College Hospital & Research Centre, Pimpri, Pune
4. The Controller of Examinations, Dr. D. Y. Patil Vidyapeeth, Pune.
5. Director (IQAC), Dr. D. Y. Patil Vidyapeeth, Pune.
6. Web Master for uploading on Website.

**MAPPING OF PROGRAMME OUTCOMES [POs] AND COURSE  
OUTCOMES [COs] OF MBBS PROGRAMMES**

| <b>Course Code</b> | <b>Course Title</b>       |
|--------------------|---------------------------|
| MB401              | General Medicine & Allied |
| MB402              | General Surgery & Allied  |
| MB403              | Obstetrics & Gynaecology  |
| MB404              | Paediatrics               |

| <b>General Medicine &amp; allied: (MB401)</b> |                                                                                                                                                                                                                                 |                                       |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| <b>CO No.</b>                                 | <b>At the end of the course, the learner should be able to:</b>                                                                                                                                                                 | <b>Mapped Programme Outcomes</b>      |
| 401.1                                         | 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. | PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO8, PO9 |
| 401.2                                         | Propose diagnostic and investigative procedures and ability to interpret them                                                                                                                                                   | PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO9      |
| 401.3                                         | Outline various modes of management including drug therapy especially doses, side effects, toxicity, indications, contraindications and interaction                                                                             | PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO8, PO9 |
| 401.4                                         | Provide first level management of acute emergencies promptly and efficiently and decide on the timing and level of referral if required                                                                                         | PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO8, PO9 |
| 401.5                                         | Recognize geriatric disorders and their management                                                                                                                                                                              | PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO8, PO9 |
| 401.6                                         | Apply clinical skills of history taking, clinical examination to diagnose common medical disorders and medical emergencies                                                                                                      | PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO8      |
| 401.7                                         | Perform simple routine investigations like haemogram, stool, urine, sputum and other biological fluids                                                                                                                          | PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO8, PO9 |
| 401.8                                         | To interpret simple X-Ray, ECG, CT scan and laboratory report findings                                                                                                                                                          | PO1,PO2,PO4,PO5, PO6,PO7,PO9          |
| 401.9                                         | Assist common bedside medical procedures like pleural tap, lumbar puncture, bone marrow aspiration, catheterization, insertion of Ryle's tube etc.                                                                              | PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO8, PO9 |
| 401.1                                         | sympathetic and compassionate attitude towards patient and their relatives                                                                                                                                                      | PO1,PO2,PO3,PO5, PO7                  |
| 401.11                                        | A curiosity to learn about medical research                                                                                                                                                                                     | PO1,PO2,PO4, PO5,PO6,PO7,PO8,         |

| <b>General Medicine &amp; allied: (MB401)</b> |                                                                                                 |                                  |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------|
| <b>CO No.</b>                                 | <b>At the end of the course, the learner should be able to:</b>                                 | <b>Mapped Programme Outcomes</b> |
|                                               |                                                                                                 | PO9                              |
| 401.12                                        | To correctly record case files, medical certificates                                            | PO1,PO2,PO3,PO5, PO7,PO9         |
| 401.13                                        | Diagnose and manage common respiratory illness                                                  | PO1,PO2,PO4,PO,P O6,PO7,PO8,PO9  |
| 401.14                                        | Should be able to diagnose provisionally Psychiatric disorders                                  | PO1,PO2,PO3,PO5, PO6,PO7,PO8,PO9 |
| 401.15                                        | Should be able to diagnose and manage common dermatology problems as physician of first contact | PO1,PO2,PO4,PO, PO6,PO7,PO8,PO9  |



**GENERAL  
MEDICINE**

## **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
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 and 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 and Lab. Data.

**DEPARTMENT OF MEDICINE**

*CS-(04)*

**UG LECTURES AND TUTORIALS LESSON PLAN**

| S. N. | Code      | 4 <sup>th</sup> Semester Lecture                                                                                                                                                                                                                                                 |
|-------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|       |           | <b>Topic:- Introduction &amp; Symptomatology</b>                                                                                                                                                                                                                                 |
| 1     | UG/4/L/IS | History of Medicine Concept & Objective of Diagnosis <ul style="list-style-type: none"> <li>History of medicine from Hippocrates to present day developments</li> <li>Diagnosis clinical, laboratory &amp; its correlation</li> </ul>                                            |
| 2     | UG/4/L/IS | Medical Ethics <ul style="list-style-type: none"> <li>Principles of medical ethics</li> <li>Doctor patients relationship</li> <li>Communication skills</li> <li>End of life care</li> <li>Disclosure of diagnosis</li> </ul>                                                     |
| 3     | UG/4/L/IS | History taking Differential Diagnosis <ul style="list-style-type: none"> <li>Detailed history taking form personal data chief complains history of presenting illness past/family history- significant of each</li> <li>Differential diagnosis &amp; approach to case</li> </ul> |
| 4     | UG/4/L/IS | Cardio-vascular system (CVS Symptomatology ) <ul style="list-style-type: none"> <li>Signs &amp; symptoms of CVS &amp; approach to case of CVS</li> </ul>                                                                                                                         |
| 5     | UG/4/L/IS | Respiratory system (RS) Symptomatology <ul style="list-style-type: none"> <li>Signs &amp; symptoms of respiratory system &amp; approach to case of RS</li> </ul>                                                                                                                 |
| 6     | UG/4/L/IS | Nervous system CNS Symptomatology <ul style="list-style-type: none"> <li>Signs &amp; symptoms of NS</li> <li>Definition of different symptoms &amp; approach to a NS case</li> </ul>                                                                                             |
| 7     | UG/4/L/IS | Gastro intestinal tract (GIT) Symptomatology <ul style="list-style-type: none"> <li>Signs &amp; symptoms of GIT diseases</li> <li>Approach to case of GIT diseases</li> </ul>                                                                                                    |
| 8     | UG/4/L/IS | Hepatobiliary Symptomatology <ul style="list-style-type: none"> <li>Anatomy, signs, symptoms, approach to a case of hepatobiliary disease</li> </ul>                                                                                                                             |
| 9     | UG/4/L/IS | Patient with fever & Edema – approach <ul style="list-style-type: none"> <li>Definition / types of fever/ approach to case of fever/PUO</li> </ul>                                                                                                                               |

| S. N. | Code      | 4 <sup>th</sup> Semester Lecture                                                                                                                                                                                  |
|-------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|       |           | Topic:- Introduction & Symptomatology                                                                                                                                                                             |
| 10    | UG/4/L/IS | Patient with Anaemia & Jaundice – Approach <ul style="list-style-type: none"> <li>Definition of anaemia / classification /signs /symptoms /diagnosis /treatment/approach to case of anemia</li> </ul>             |
| 11    | UG/4/L/IS | Revision                                                                                                                                                                                                          |
| 12    | UG/4/L/IS | Patient with Lymphadenopathy – Approach <ul style="list-style-type: none"> <li>Definition/generalized lymphadenopathy/ localized lymphadenopathy differential diagnosis</li> </ul>                                |
| 13    | UG/4/L/IS | Investigation -I (Non Invasive) X-Ray USG CT MRI PBS <ul style="list-style-type: none"> <li>Importance of each investigations / technical details / indications / contra indications / recent advances</li> </ul> |
| 14    | UG/4/L/IS | Investigation -II ( Invasive) FNAC, LP, BM, LN, Liver biopsy <ul style="list-style-type: none"> <li>Indication / contra indications / methods of each surgical procedures</li> </ul>                              |
| 15    | UG/4/L/IS | Review of common Diseases in India <ul style="list-style-type: none"> <li>Malaria/ TB / enteric fever etc short review</li> </ul>                                                                                 |
| 16    | UG/4/L/IS | Approach to oedema <ul style="list-style-type: none"> <li>Definition of edema/causes / pathophysiology/approach to case of edema</li> </ul>                                                                       |
| 17    | UG/4/L/IS | Approach to jaundice <ul style="list-style-type: none"> <li>Definition of jaundice/clinical features / causes/ complications/ diagnosis/treatment/ approach/ differential diagnosis</li> </ul>                    |
| 18    | UG/4/L/IS | <ul style="list-style-type: none"> <li>Revision</li> </ul>                                                                                                                                                        |

| Sr. No. | Code      | 5 <sup>th</sup> Semester Lectures - I                                                                                                                                                                                                                                                                                                                               |
|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |           | Topic:- Infection Diseases                                                                                                                                                                                                                                                                                                                                          |
| 1       | UG/5/L/ID | Staphylococcus, infections <ul style="list-style-type: none"> <li>Skin infections, wound infections, cannula related infections, MRSA</li> <li>Staph toxic shock syndrome and management</li> </ul> Streptococcal infections <ul style="list-style-type: none"> <li>Skin infections, scarlet fever, toxic shock syndrome, related infections, management</li> </ul> |

| Sr. No. | Code       | 5 <sup>th</sup> Semester Lectures - I                                                                                                                                                                                                                                      |
|---------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |            | Topic:- Infection Diseases                                                                                                                                                                                                                                                 |
| 2       | UG/5/FL/ID | Typhoid Fever- <i>Flipped Classroom Teaching</i> <ul style="list-style-type: none"> <li>• Causative agents</li> <li>• Epidemiology</li> <li>• Pathogenesis</li> <li>• Clinical features</li> <li>• Complication</li> <li>• Investigations</li> <li>• Management</li> </ul> |
| 3       | UG/5/L/ID  | Gastroenteritis & Cholera <ul style="list-style-type: none"> <li>• Causative agents</li> <li>• Epidemiology</li> <li>• Clinical features</li> <li>• Complications</li> <li>• Investigations</li> <li>• Prevention</li> </ul>                                               |
| 4       | UG/5/L/ID  | Tetanus / Leptospirosis <ul style="list-style-type: none"> <li>• Epidemiology</li> <li>• Pathogenesis</li> <li>• Clinical features</li> <li>• Complications</li> <li>• Prevention</li> </ul>                                                                               |
| 5       | UG/5/L/ID  | Anthrax, brucellosis, plague. <ul style="list-style-type: none"> <li>• Causative agents microbiology</li> <li>• Epidemiology</li> <li>• Pathogenesis</li> <li>• Clinical features</li> <li>• Complications</li> <li>• Treatment</li> <li>• Prevention</li> </ul>           |
| 6       | UG/5/FL/ID | Leprosy- <i>Flipped Classroom Teaching</i> <ul style="list-style-type: none"> <li>• Types</li> <li>• Definition</li> <li>• Investigation</li> <li>• Complication</li> <li>• Management</li> </ul>                                                                          |
| 7       | UG/5/FL/ID | Syphilis - <ul style="list-style-type: none"> <li>• Causative agent</li> <li>• Epidemiology</li> </ul>                                                                                                                                                                     |

| Sr. No. | Code       | 5 <sup>th</sup> Semester Lectures - I                                                                                                                                                                                                                                                  |
|---------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |            | Topic:- Infection Diseases                                                                                                                                                                                                                                                             |
|         |            | <ul style="list-style-type: none"> <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       | UG/5/FL/ID | Malaria- <i>Flipped Classroom Teaching</i> <ul style="list-style-type: none"> <li>• Causative agents</li> <li>• Epidemiology</li> <li>• Pathogenesis</li> <li>• Clinical features Complications.</li> <li>• Investigation</li> <li>• Management Prevention.</li> </ul>                 |
| 9       | UG/5/L/ID  | Amoebiasis & Amoebic Liver Abscess & Kala Azar <ul style="list-style-type: none"> <li>• Causative agents microbiology</li> <li>• Epidemiology, Pathogenesis</li> <li>• Clinical features and Complications</li> <li>• Treatment</li> <li>• Prevention</li> </ul>                       |
| 10      | UG/5/L/ID  | Filariasis /worm infestations <ul style="list-style-type: none"> <li>• Causative agents</li> <li>• Epidemiology</li> <li>• Pathogenesis</li> <li>• Clinical features</li> <li>• Complications</li> <li>• Investigations</li> <li>• Management</li> </ul>                               |
| 11      | UG/5/L/ID  | Measles, mumps, chicken pox, herpes simplex, herpes zoster. <ul style="list-style-type: none"> <li>• Causative agents</li> <li>• Epidemiology</li> <li>• Pathogenesis</li> <li>• Clinical features</li> <li>• Complications</li> <li>• Investigations</li> <li>• Management</li> </ul> |
| 12      | UG/5/L/ID  | Dengue, Chikungunya, Yellow fever <ul style="list-style-type: none"> <li>• Causative agents</li> </ul>                                                                                                                                                                                 |

| Sr. No. | Code      | 5 <sup>th</sup> Semester Lectures - I                                                                                                                                                                                                                           |
|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |           | Topic:- Infection Diseases                                                                                                                                                                                                                                      |
|         |           | <ul style="list-style-type: none"> <li>• Epidemiology</li> <li>• Pathogenesis</li> <li>• Clinical features</li> <li>• Investigations</li> <li>• Complications and Management</li> </ul>                                                                         |
| 13      | UG/5/L/ID | HIV-I <ul style="list-style-type: none"> <li>• Clinical examination,</li> <li>• Epidemiology and biology(Modes of transmission),</li> <li>• Natural history,</li> <li>• Classification,</li> <li>• Post exposure prophylaxis.</li> <li>• Management</li> </ul>  |
| 14      | UG/5/L/ID | HIV-II <ul style="list-style-type: none"> <li>• Clinical examination,</li> <li>• Epidemiology and biology(Modes of transmission),</li> <li>• Natural history,</li> <li>• Classification,</li> <li>• Post exposure prophylaxis.</li> <li>• Management</li> </ul> |
| 15      | UG/5/L/ID | Polio, rabies, japanese encephalitis <ul style="list-style-type: none"> <li>• Causative agent</li> <li>• Epidemiology</li> <li>• Pathogenesis, Complication</li> <li>• Investigations</li> <li>• Management</li> </ul>                                          |
| 16      | UG/5/L/ID | Rickketsial infection <ul style="list-style-type: none"> <li>• Causative agent</li> <li>• Epidemiology</li> <li>• Pathogenesis, Complication</li> <li>• Investigations</li> <li>• Management</li> </ul>                                                         |
| 17      | UG/5/L/ID | New emerging infections- H1N1, SARS ,Bird flu <ul style="list-style-type: none"> <li>• Clinical features</li> <li>• Investigations</li> <li>• Management</li> <li>• Prevention</li> </ul>                                                                       |

| Sr. No. | Code      | 5 <sup>th</sup> Semester Lectures - I                                                                                                                         |
|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |           | Topic:- Infection Diseases                                                                                                                                    |
| 18      | UG/5/L/ID | Antibiotic resistance <ul style="list-style-type: none"> <li>• Mechanisms</li> <li>• Causes</li> <li>• Types</li> </ul>                                       |
| 19      | UG/5/L/ID | Fever of unknown origin <ul style="list-style-type: none"> <li>• Clinical assessment</li> <li>• Etiology</li> <li>• Investigations</li> </ul>                 |
| 20      | UG/5/L/ID | Febrile neutropenia, fever in immunocompromised <ul style="list-style-type: none"> <li>• Definition</li> <li>• Investigations</li> <li>• treatment</li> </ul> |
| 21      | UG/5/L/ID | <ul style="list-style-type: none"> <li>• Revision</li> </ul>                                                                                                  |

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

| Sr. No | Code       | 5 <sup>th</sup> Semester Lectures - II                                                                                                                                                    |
|--------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |            | Topic:- Cardiovascular System (CVS)                                                                                                                                                       |
| 1      | UG/5/L/CVS | Introduction – ( CVS ) <ul style="list-style-type: none"> <li>• clinical examination</li> <li>• Anatomy physiology of CVS</li> </ul>                                                      |
| 2      | UG/5/L/CVS | CVS - Method of Evaluation - Non invasive CVS <ul style="list-style-type: none"> <li>• ECG</li> <li>• 2DECHO</li> <li>• X ray chest</li> <li>• Stress test</li> <li>• CAG</li> </ul>      |
| 3      | UG/5/L/CVS | Arrhythmias <ul style="list-style-type: none"> <li>• Tachyarrhythmias</li> <li>• Bradyarrhythmias</li> </ul>                                                                              |
| 4      | UG/5/L/CVS | Congestive Cardiac Failure, LVF <ul style="list-style-type: none"> <li>• Clinical features</li> <li>• Investigation</li> <li>• Treatment</li> <li>• Complications of Treatment</li> </ul> |
| 5      | UG/5/L/CVS | Cong Heart Diseases Aetiology, Classification<br>CHD in Adults                                                                                                                            |

| Sr. No | Code        | 5 <sup>th</sup> Semester Lectures - II                                                                                                                                                                          |
|--------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |             | Topic:- Cardiovascular System (CVS)                                                                                                                                                                             |
|        |             | <ul style="list-style-type: none"> <li>• Foetal heart circulation</li> <li>• Cyanotic heart disease</li> <li>• Acyanotic heart disease</li> </ul>                                                               |
| 6      | UG/5/L/ CVS | Rheumatic Fever <ul style="list-style-type: none"> <li>• Clinical features</li> <li>• Investigations</li> <li>• Treatment &amp; Prophylaxis.</li> <li>• Complications</li> </ul>                                |
| 7      | UG/5/L/ CVS | Valvular heart diseases (MS,MR,TR)- Part- I <ul style="list-style-type: none"> <li>• Haemodynamics- clinical features</li> <li>• Investigation</li> <li>• Complications</li> <li>• Treatment</li> </ul>         |
| 8      | UG/5/L/ CVS | Valvular heart diseases (AS,AI) - Part- II <ul style="list-style-type: none"> <li>• Haemodynamics- clinical features</li> <li>• Investigation</li> <li>• Complications</li> <li>• Treatment</li> </ul>          |
| 9      | UG/5/L/ CVS | Infective Endocarditis <ul style="list-style-type: none"> <li>• Etiology</li> <li>• Clinical features</li> <li>• Investigation</li> <li>• Treatment</li> <li>• Complications</li> </ul>                         |
| 10     | UG/5/L/ CVS | Coronary Artery Disease <ul style="list-style-type: none"> <li>• Definition etiology, Pathophysiology, clinical features, investigations, diagnosis &amp; management</li> </ul>                                 |
| 11     | UG/5/L/ CVS | Myocardial Infarction, Angina pectoris. <ul style="list-style-type: none"> <li>• Definition, etiology, Pathophysiology, clinical features, investigations, diagnosis &amp; management, Complications</li> </ul> |
| 12     | UG/5/L/ CVS | Cardiomyopathy <ul style="list-style-type: none"> <li>• Definition, etiology, types, pathophysiology, clinical features, investigations, diagnosis, management</li> </ul>                                       |
| 13     | UG/5/L/ CVS | Pericardial Disease <ul style="list-style-type: none"> <li>• Definition, etiology, pathophysiology,</li> </ul>                                                                                                  |

| Sr. No | Code        | 5 <sup>th</sup> Semester Lectures - II                                                                                                                                                                                                                                                          |
|--------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |             | Topic:- Cardiovascular System (CVS)                                                                                                                                                                                                                                                             |
|        |             | clinical features, investigations, diagnosis, management, deferential diagnosis & complication                                                                                                                                                                                                  |
| 14     | UG/5/L/ CVS | Hypertension - I <ul style="list-style-type: none"> <li>• Definition , JNC classification, causes, secondary causes investigation</li> </ul>                                                                                                                                                    |
| 15     | UG/5/L/ CVS | Hypertension - II <ul style="list-style-type: none"> <li>• Management, treatment individual drugs with doses &amp; contra indication, Treatment of complications, prevention of complications</li> </ul>                                                                                        |
| 16     | UG/5/L/ CVS | Disorders of aorta and peripheral blood vessels <ul style="list-style-type: none"> <li>• Aortic aneurysm, aortic dissection( etiology, types, clinical features, treatment, management)</li> <li>• Atherosclerosis.</li> <li>• Acute &amp; Chronic upper &amp; lower limb ischaemia.</li> </ul> |
| 17     | UG/5/L/ CVS | <ul style="list-style-type: none"> <li>• Revision</li> </ul>                                                                                                                                                                                                                                    |

| Sr. No | Code        | 6 <sup>th</sup> Semester Lectures                                                                                                                                                                                                                                                                         |
|--------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |             | Topic:- GIT / Liver                                                                                                                                                                                                                                                                                       |
| 1      | UG/6/L/ GIT | Diseases of oral cavity, aphthos ulcer <ul style="list-style-type: none"> <li>• Aphthos ulcer differential diagnosis, etiology, management</li> <li>• Haemetemesis causes &amp; management</li> <li>• Malena causes &amp; management</li> </ul>                                                           |
| 2      | UG/6/L/ GIT | Oesophagus Anatomy & physiology of deglutition dysphasia, GERD, Achlasia cardiac Reflux oesphagitis <ul style="list-style-type: none"> <li>• Oesophasgus Anatomy</li> <li>• Reflux oesphagitis- etiology, types management</li> <li>• Achlasia cardiac GERD etiology, presentation, management</li> </ul> |
| 3      | UG/6/L/ GIT | Heametmesis & Maleana <ul style="list-style-type: none"> <li>• D/D</li> <li>• Management</li> </ul>                                                                                                                                                                                                       |

| Sr. No | Code       | 6 <sup>th</sup> Semester Lectures                                                                                                                                                                                   |
|--------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |            | Topic:- GIT / Liver                                                                                                                                                                                                 |
| 4      | UG/6/L/GIT | Disease of Stomach <ul style="list-style-type: none"> <li>• Peptic Ulcer, Acute &amp; Chronic Gastritis, malignancies</li> <li>• Peptic ulcer- types, etiology, symptoms, investigation &amp; Management</li> </ul> |
| 5      | UG/6/L/GIT | Diseases of Small Intestine <ul style="list-style-type: none"> <li>• Anatomy Secretions, Functions , Malabsorption Syndrome</li> </ul>                                                                              |
| 6      | UG/6/L/GIT | Blood Supply of bowel & ischaemic disease of bowel <ul style="list-style-type: none"> <li>• Blood Supply of bowel</li> <li>• Etiology, clinical features and management of ischaemic bowel disease</li> </ul>       |
| 7      | UG/6/L/GIT | IBS <ul style="list-style-type: none"> <li>• Definition, presentation etiology &amp; management</li> </ul>                                                                                                          |
| 8      | UG/6/L/GIT | Ulcerative Collitis Crohn's Disease; other disease of large intestine. <ul style="list-style-type: none"> <li>• Crohn's Disease; other disease of large intestine.</li> </ul>                                       |
| 9      | UG/6/L/GIT | Tuberculosis abdomen <ul style="list-style-type: none"> <li>• Types</li> <li>• Management</li> </ul>                                                                                                                |
| 10     | UG/6/L/GIT | Jaundice <ul style="list-style-type: none"> <li>• D/D,</li> <li>• Bilirubin metabolism &amp; LFT</li> </ul>                                                                                                         |
| 11     | UG/6/L/GIT | Hepatitis-Acute & Chronic Hepatitis –I <ul style="list-style-type: none"> <li>• Etiology</li> <li>• Pathology</li> <li>• Clinical features</li> <li>• Complication</li> <li>• Management</li> </ul>                 |
| 12     | UG/6/L/GIT | Hepatitis-Acute & Chronic Hepatitis –II <ul style="list-style-type: none"> <li>• Etiology</li> <li>• Pathology</li> <li>• Clinical features</li> <li>• Complication</li> <li>• Management</li> </ul>                |

| Sr. No | Code       | 6 <sup>th</sup> Semester Lectures                                                                                                                                                 |
|--------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |            | Topic:- GIT / Liver                                                                                                                                                               |
| 13     | UG/6/L/GIT | Cirrhosis of Liver – I <ul style="list-style-type: none"> <li>• Aetiopathogenesis, clinical Features &amp; Diagnosis</li> </ul>                                                   |
| 14     | UG/6/L/GIT | Cirrhosis of Liver - II <ul style="list-style-type: none"> <li>• Management</li> <li>• Complications including portal hypertension.</li> </ul>                                    |
| 15     | UG/6/L/GIT | Acute pancreatitis <ul style="list-style-type: none"> <li>• Etiology</li> <li>• Pathology</li> <li>• Clinical features</li> <li>• Complication</li> <li>• Management</li> </ul>   |
| 16     | UG/6/L/GIT | Chronic pancreatitis <ul style="list-style-type: none"> <li>• Etiology</li> <li>• Pathology</li> <li>• Clinical features</li> <li>• Complication</li> <li>• Management</li> </ul> |
| 17     | UG/6/L/GIT | Disease of gall bladder <ul style="list-style-type: none"> <li>• Etiology</li> <li>• Clinical Features</li> <li>• Management</li> </ul>                                           |
| 18     | UG/6/L/GIT | <ul style="list-style-type: none"> <li>• Revision</li> </ul>                                                                                                                      |

| Sr. No | Code      | 6 <sup>th</sup> Semester Lectures                                                                                                                                                 |
|--------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |           | Topic:-Respiratory System                                                                                                                                                         |
| 1      | UG/6/L/RS | Approach to haemoptysis <ul style="list-style-type: none"> <li>• Definition</li> <li>• Causes</li> <li>• Management</li> </ul>                                                    |
| 2      | UG/6/L/RS | Bronchial asthma <ul style="list-style-type: none"> <li>• Epidemiology</li> <li>• Etiology</li> <li>• Pathology</li> <li>• Clinical features</li> <li>• investigations</li> </ul> |

| Sr. No | Code      | 6 <sup>th</sup> Semester Lectures                                                                                                                                                                                                                                                                              |
|--------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |           | Topic:-Respiratory System                                                                                                                                                                                                                                                                                      |
|        |           | <ul style="list-style-type: none"> <li>• Management</li> </ul>                                                                                                                                                                                                                                                 |
| 3      | UG/6/L/RS | COPD <ul style="list-style-type: none"> <li>• Etiology</li> <li>• Pathology</li> <li>• Clinical features</li> <li>• investigations</li> <li>• Management</li> </ul>                                                                                                                                            |
| 4      | UG/6/L/RS | Tropical Eosinophilia <ul style="list-style-type: none"> <li>• Definition</li> <li>• Etiology</li> <li>• types</li> <li>• Treatment</li> </ul>                                                                                                                                                                 |
| 5      | UG/6/L/RS | Occupational lung diseases <ul style="list-style-type: none"> <li>• Occupational airway disease</li> <li>• Pneumoconioses</li> <li>• Asbestosis related lung and pleural disease</li> <li>• Lung diseases due to organic dust</li> <li>• Occupational lung cancer</li> <li>• Occupational pneumonia</li> </ul> |
| 6      | UG/6/L/RS | Pulmonary thromboembolism <ul style="list-style-type: none"> <li>• clinical features</li> <li>• risk factors</li> <li>• diagnosis</li> <li>• management</li> </ul>                                                                                                                                             |
| 7      | UG/6/L/RS | Revision                                                                                                                                                                                                                                                                                                       |
| 8      | UG/6/L/RS | Sleep disordered breathing <ul style="list-style-type: none"> <li>• etiology</li> <li>• clinical features</li> <li>• investigations</li> <li>• management</li> </ul>                                                                                                                                           |
| 9      | UG/6/L/RS | Mediastinal syndrome <ul style="list-style-type: none"> <li>• clinical features</li> <li>• investigations</li> </ul>                                                                                                                                                                                           |
| 10     | UG/6/L/RS | Carcinoma lung <ul style="list-style-type: none"> <li>• risk factors</li> <li>• pathology</li> <li>• clinical features</li> <li>• investigations</li> </ul>                                                                                                                                                    |

| Sr. No | Code      | 6 <sup>th</sup> Semester Lectures                                                                                                                                                                                                                                          |
|--------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |           | Topic:-Respiratory System                                                                                                                                                                                                                                                  |
|        |           | <ul style="list-style-type: none"> <li>management</li> </ul>                                                                                                                                                                                                               |
| 11     | UG/6/L/RS | Pleural effusion <ul style="list-style-type: none"> <li>Types</li> <li>Causes</li> <li>Clinical features</li> <li>investigations</li> <li>Management.</li> </ul>                                                                                                           |
| 12     | UG/6/L/RS | Pneumothorax <ul style="list-style-type: none"> <li>types</li> <li>causes</li> <li>treatment</li> </ul>                                                                                                                                                                    |
| 13     | UG/6/L/RS | Interstitial lung diseases <ul style="list-style-type: none"> <li>diffuse parenchymal lung disease</li> <li>systemic inflammatory disease</li> <li>pulmonary eosinophilia &amp; vasculitides</li> <li>Lung diseases due to irradiation drugs.</li> <li>Rare ILD</li> </ul> |
| 14     | UG/6/L/RS | <ul style="list-style-type: none"> <li>Revision</li> </ul>                                                                                                                                                                                                                 |

| Sr. No | Code        | 6 <sup>th</sup> Semester                                                                                                                                                                                                                                                                                                                      |
|--------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |             | Tutorial                                                                                                                                                                                                                                                                                                                                      |
| 1      | UG/6/T/MISC | Blood Transfusion & Components Therapy <ul style="list-style-type: none"> <li>Types, indications, contra indication, adverse effects</li> </ul> Blood components- eg :platelets, FFPs<br>RDP's, cryoprecipitate                                                                                                                               |
| 2      | UG/6/T/MISC | Obesity <ul style="list-style-type: none"> <li>Problems of obesity with changed lifestyle</li> <li>Various causes of obesity</li> <li>Anthropometric measurements</li> <li>Complication of obesity,</li> <li>treatment options</li> </ul> Metabolic syndrome <ul style="list-style-type: none"> <li>definition</li> <li>management</li> </ul> |
| 3      | UG/6/T/MISC | Protein - Energy Malnutrition, anorexia nervosa <ul style="list-style-type: none"> <li>PEM in adults</li> <li>Methods to diagnose of PEM</li> </ul>                                                                                                                                                                                           |

| Sr. No | Code        | 6 <sup>th</sup> Semester                                                                                                                                                                                                                                                                          |
|--------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |             | Tutorial                                                                                                                                                                                                                                                                                          |
|        |             | <ul style="list-style-type: none"> <li>• Treatment of PEM</li> </ul> Vitamin Deficiency States Beri - Beri, Pellagra, Scurvy, Vitamin A Deficiency, Thiamine Deficiency <ul style="list-style-type: none"> <li>• Vitamin deficiency in adults</li> <li>• Signs, symptoms and treatment</li> </ul> |
| 4      | UG/6/T/MISC | Acid base imbalance <ul style="list-style-type: none"> <li>• Metabolic acidosis &amp; alkalosis.</li> <li>• Respiratory acidosis &amp; alkosis.</li> <li>• Mixed acid base disorders.</li> <li>• Anionic gap disorders.</li> </ul>                                                                |
| 5      | UG/6/T/MISC | Hyponatremia & hypernatremia <ul style="list-style-type: none"> <li>• Definition</li> <li>• Approach</li> <li>• Types</li> <li>• Management</li> </ul>                                                                                                                                            |
| 6      | UG/6/T/MISC | Hypokalemia & hyperkalemia <ul style="list-style-type: none"> <li>• Approach</li> <li>• Causes</li> <li>• ECG changes</li> <li>• Management</li> </ul>                                                                                                                                            |
| 7      | UG/6/T/MISC | Hypertensive emergencies <ul style="list-style-type: none"> <li>• Etiology</li> <li>• Types</li> <li>• Investigation</li> <li>• Management</li> </ul>                                                                                                                                             |
| 8      | UG/6/T/MISC | Approach to dyspnoea <ul style="list-style-type: none"> <li>• d/d</li> <li>• acute dyspnoea</li> <li>• chronic dyspnoea</li> </ul>                                                                                                                                                                |
| 9      | UG/6/T/MISC | Approach to polyarthritis <ul style="list-style-type: none"> <li>• causes</li> <li>• clinical features</li> <li>• investigations</li> <li>• management</li> </ul>                                                                                                                                 |
| 10     | UG/6/T/MISC | Revision                                                                                                                                                                                                                                                                                          |
| 11     | UG/6/T/MISC | Fever with Rash <ul style="list-style-type: none"> <li>• macular</li> </ul>                                                                                                                                                                                                                       |

| Sr. No | Code        | 6 <sup>th</sup> Semester                                                                                                                                                                                                           |
|--------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |             | Tutorial                                                                                                                                                                                                                           |
|        |             | <ul style="list-style-type: none"> <li>• maculopapular</li> <li>• vesicular, purpurial, petechial.</li> <li>• erythema multiforme</li> <li>• erythema nodosum</li> <li>• diffuse erythema</li> <li>• migrating erythema</li> </ul> |
| 12     | UG/6/T/MISC | Pulmonary function tests. <ul style="list-style-type: none"> <li>• Methods</li> <li>• Measurements</li> <li>• Lung volumes</li> <li>• Transfer factor</li> <li>• Arterial blood gas analysis</li> <li>• Exercise test</li> </ul>   |
| 13     | UG/6/T/MISC | Complementary medicine <ul style="list-style-type: none"> <li>• Safety</li> <li>• Regulation</li> <li>• Integrated health care</li> </ul>                                                                                          |
| 14     | UG/6/T/MISC | Acute severe asthma <ul style="list-style-type: none"> <li>• Clinical features</li> <li>• Investigations</li> <li>• Management</li> </ul>                                                                                          |
| 15     | UG/6/T/MISC | <ul style="list-style-type: none"> <li>• Revision</li> </ul>                                                                                                                                                                       |

| Sr. No | Code         | 7 <sup>th</sup> - Semester Lectures                                                                                                                                                                                                                                                                         |
|--------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |              | Topic :- Hematology and Rheumatology                                                                                                                                                                                                                                                                        |
| 1      | UG/7/L/RHEUM | Approach & Investigations to a Patients with Joint Disease <ul style="list-style-type: none"> <li>• Clinical approach</li> </ul> Physical examination, investigations, management                                                                                                                           |
| 2      | UG/7/L/RHEUM | Rheumatoid Arthritis <ul style="list-style-type: none"> <li>• Etiology,</li> <li>• Genetic background,</li> <li>• Pathogenesis, criteria for diagnosis, radiological features, clinical features, extra articular manifestation,</li> <li>• Investigations &amp; management</li> </ul> DMARD's, newer drugs |

| Sr. No | Code         | 7 <sup>th</sup> - Semester Lectures                                                                                                                                                                                                                                                                                                               |
|--------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |              | Topic :- Hematology and Rheumatology                                                                                                                                                                                                                                                                                                              |
| 3      | UG/7/L/RHEUM | Seronegative Spondyloarthropathies <ul style="list-style-type: none"> <li>• Classification</li> <li>• Types</li> <li>• Investigations</li> <li>• Clinical approach</li> <li>• Management</li> </ul>                                                                                                                                               |
| 4      | UG/7/L/RHEUM | Collagen vascular diseases – I <ul style="list-style-type: none"> <li>• SLE</li> <li>• Systemic sclerosis</li> <li>• MCTD</li> <li>• Sjogrens syndrome</li> <li>• Polymyositis,</li> <li>• Dermatomyositis, inclusion body myositis.</li> </ul>                                                                                                   |
| 5      | UG/7/L/RHEUM | Collagen vascular diseases – II <ul style="list-style-type: none"> <li>• Takayasu</li> <li>• Kawasaki</li> <li>• Polyarteritis nodosa</li> <li>• Giant cell arteritis</li> <li>• ANCA associated vasculitis</li> <li>• Churg Strauss syndrome, Henoch Schonlein purpura</li> <li>• Cryoglobulinemic vasculitis, Behcets and relapsing.</li> </ul> |
| 6      | UG/7/L/RHEUM | Gout & Pseudogout <ul style="list-style-type: none"> <li>• Etiology</li> <li>• Clinical features</li> <li>• Treatment</li> </ul> Osteoarthritis <ul style="list-style-type: none"> <li>• Etiology</li> <li>• Clinical features</li> <li>• Treatment</li> </ul>                                                                                    |
| 7      | UG/7/L/HEM   | Classification of Anemia & Approach to Investigation <ul style="list-style-type: none"> <li>• Types of anemia physiology clinical approach</li> </ul>                                                                                                                                                                                             |
| 8      | UG/7/L/HEM   | Iron Deficiency Anemia & Hypochromic Microcytic Anaemias <ul style="list-style-type: none"> <li>• Causes of IDA</li> </ul>                                                                                                                                                                                                                        |

| Sr. No | Code       | 7 <sup>th</sup> - Semester Lectures                                                                                                                                                                                                       |
|--------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |            | Topic :- Hematology and Rheumatology                                                                                                                                                                                                      |
|        |            | <ul style="list-style-type: none"> <li>• Clinical features</li> <li>• Lab diagnosis</li> <li>• Treatment of IDA</li> <li>• Parenteral&amp; oral preparation</li> </ul>                                                                    |
| 9      | UG/7/L/HEM | Megaloblastic Anaemia <ul style="list-style-type: none"> <li>• Classification &amp; causes of megaloblastic anaemia lab diagnosis bone marrow findings, pernicious anaemia management</li> </ul>                                          |
| 10     | UG/7/L/HEM | Haemolytic Anaemia <ul style="list-style-type: none"> <li>• Classification of hemolytic anaemia</li> <li>• G6PD deficiency hereditary spherocytes</li> <li>• Sickle cell syndrome- clinical features, complications management</li> </ul> |
| 11     | UG/7/L/HEM | Haemoglobinopathies <ul style="list-style-type: none"> <li>• Thalassemia alpha &amp; beta clinical features &amp; management</li> <li>• PNH hereditary &amp; acquired</li> </ul>                                                          |
| 12     | UG/7/L/HEM | Acute Leukemia's <ul style="list-style-type: none"> <li>• ALL- FAB classification physical examination</li> <li>• Clinical features- complications prognosis index</li> <li>• Management of ALL &amp; ANL</li> </ul>                      |
| 13     | UG/7/L/HEM | Chronic Leukemia's <ul style="list-style-type: none"> <li>• CML genetics- diagnosis, clinical features</li> <li>• Prognosis management</li> <li>• Recent advances</li> </ul>                                                              |
| 14     | UG/7/L/HEM | Lymphomas-Hodgkins and Non Hodgkin's Disease <ul style="list-style-type: none"> <li>• Classification- pathology, clinical approach bone marrow finding</li> <li>• Investigation &amp; management</li> </ul>                               |
| 15     | UG/7/L/HEM | Bleeding Disorders <ul style="list-style-type: none"> <li>• Physiology of coagulation</li> <li>• Clinical approach</li> <li>• Lab investigations</li> <li>• Diagnosis</li> </ul>                                                          |

| Sr. No | Code       | 7 <sup>th</sup> - Semester Lectures                                                                                                                                                |
|--------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |            | Topic :- Hematology and Rheumatology                                                                                                                                               |
|        |            | <ul style="list-style-type: none"> <li>• Complications, DIC, management</li> <li>• Blood component therapy</li> </ul>                                                              |
| 16     | UG/7/L/HEM | Coagulation disorders <ul style="list-style-type: none"> <li>• Physiology of coagulation</li> <li>• Clinical approach</li> <li>• Lab investigation</li> <li>• Diagnosis</li> </ul> |
| 17     | UG/7/L/HEM | Myeloproliferative and myelodysplastic syndromes <ul style="list-style-type: none"> <li>• Classification</li> <li>• Management</li> </ul>                                          |
| 18     | UG/7/L/HEM | <ul style="list-style-type: none"> <li>• Revision</li> </ul>                                                                                                                       |

| Sr. No. | Code      | 7 <sup>th</sup> - Semester Lectures                                                                                                                                                                                                    |
|---------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |           | Topic :- Nervous System                                                                                                                                                                                                                |
| 1       | UG/7/L/NS | Introduction, applied Anatomy & Physiology of Brain & Spinal Cord <ul style="list-style-type: none"> <li>• Basic Anatomy &amp; Physiology.</li> <li>• Localising lesions .</li> </ul>                                                  |
| 2       | UG/7/L/NS | History taking in Neurology & Investigation <ul style="list-style-type: none"> <li>• How to take CNS History</li> <li>• Neuroimaging CSF &amp; other Investigations</li> <li>• Neurophysiological testing</li> </ul>                   |
| 3       | UG/7/L/NS | Coma, Causes & Investigations <ul style="list-style-type: none"> <li>• Definition</li> <li>• History taken and examination in a patient with coma</li> <li>• Diagnosis and Management</li> </ul>                                       |
| 4       | UG/7/L/NS | CVA -1 <ul style="list-style-type: none"> <li>• Blood supply to brain</li> <li>• Circle of Wills</li> <li>• Clinical presentation</li> </ul>                                                                                           |
| 5       | UG/7/L/NS | CVA-2 <ul style="list-style-type: none"> <li>• Concepts Types &amp; Differential predisposing factors Diagnosis &amp; Management</li> <li>• Types of cerebrovascular disorders</li> <li>• Risk factors</li> <li>• Diagnosis</li> </ul> |

| Sr. No. | Code      | 7 <sup>th</sup> - Semester Lectures                                                                                                                                                                                                                                                                                                |
|---------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |           | Topic :- Nervous System                                                                                                                                                                                                                                                                                                            |
| 6       | UG/7/L/NS | Space Occupying Lesions, Brain abscess & tumour <ul style="list-style-type: none"> <li>• Etiology</li> <li>• Clinical features</li> <li>• Investigation &amp; Management</li> </ul>                                                                                                                                                |
| 7       | UG/7/L/NS | Encephalitis <ul style="list-style-type: none"> <li>• Etiology of encephalitis</li> <li>• Clinical features</li> <li>• Investigation</li> <li>• Management</li> </ul>                                                                                                                                                              |
| 8       | UG/7/L/NS | Meningitis <ul style="list-style-type: none"> <li>• Etiology of meningitis</li> <li>• Clinical features</li> <li>• Management</li> </ul>                                                                                                                                                                                           |
| 9       | UG/7/L/NS | Epilepsy <ul style="list-style-type: none"> <li>• Classifications</li> <li>• Different types</li> <li>• Investigations</li> <li>• Management- (neptpal status epilepticus)</li> </ul>                                                                                                                                              |
| 10      | UG/7/L/NS | Parkinsonism <ul style="list-style-type: none"> <li>• Etiology</li> <li>• Clinical features</li> <li>• Management</li> </ul>                                                                                                                                                                                                       |
| 11      | UG/7/L/NS | Cerebellar Syndrome <ul style="list-style-type: none"> <li>• Etiology</li> <li>• Clinical features</li> <li>• Management</li> </ul>                                                                                                                                                                                                |
| 12      | UG/7/L/NS | Demylinating Disorders, Multiple Sclerosis, Heridofamilial disorders & Motor Neuron Disease <ul style="list-style-type: none"> <li>• Causes of demylination disorders</li> <li>• Common Heridofamilial disorders</li> <li>• Etiology, clinical features and management of Multiple Sclerosis &amp; Motor Neuron Disease</li> </ul> |
| 13      | UG/7/L/NS | Extrapramidal disorders <ul style="list-style-type: none"> <li>• Types</li> <li>• Clinical features</li> </ul> Movement disorders                                                                                                                                                                                                  |

| Sr. No. | Code      | 7 <sup>th</sup> - Semester Lectures                                                                                                                                                                                                                                                                                       |
|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |           | Topic :- Nervous System                                                                                                                                                                                                                                                                                                   |
|         |           | <ul style="list-style-type: none"> <li>• Different types of Involuntary Movements</li> <li>• Etiology, management</li> </ul>                                                                                                                                                                                              |
| 14      | UG/7/L/NS | Toxic & Nutritional disorders of CNS <ul style="list-style-type: none"> <li>• Etiology</li> <li>• Clinical features</li> <li>• Management</li> </ul>                                                                                                                                                                      |
| 15      | UG/7/L/NS | Spinal Cord Disorders & Paraplegia & Quadriplegia <ul style="list-style-type: none"> <li>• Compressive myelopathy-etiology ,Clinical features&amp; Management</li> </ul>                                                                                                                                                  |
| 16      | UG/7/L/NS | Peripheral Neuropathy <ul style="list-style-type: none"> <li>• Etiology of peripheral Neuropathy</li> <li>• Clinical features</li> <li>• Investigation &amp; Management</li> </ul> GB Syndrome <ul style="list-style-type: none"> <li>• Etiology clinical features &amp; management</li> </ul>                            |
| 17      | UG/7/L/NS | Muscle Disorders in Brief <ul style="list-style-type: none"> <li>• Types of myopathies including congenital, Metabolic inflammatory &amp; other</li> <li>• Clinical features&amp; Management</li> </ul> Myasthenia Gravis <ul style="list-style-type: none"> <li>• Etiology ,clinical features&amp; management</li> </ul> |
| 18      | UG/7/L/NS | <ul style="list-style-type: none"> <li>• Revision</li> </ul>                                                                                                                                                                                                                                                              |

| Sr. No | Code       | 8 <sup>th</sup> Semester Lectures - I                                                                                                                                                                                                                                           |
|--------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |            | Topic:- Nephrology / General                                                                                                                                                                                                                                                    |
| 1      | UG/8/L/GEN | Genetic Disorders – introduction, common genetic disorders & prevention <ul style="list-style-type: none"> <li>• Importance of genetics</li> <li>• Structure of chromosome &amp; gene</li> <li>• Identification of genetic disease</li> <li>• Methods to prevention.</li> </ul> |
| 2      | UG/8/L/IMM | Immunology, anatomy, & physiology of immune system. <i>Stem cells in clinical Medicine.</i> <ul style="list-style-type: none"> <li>• Innate immunity</li> <li>• Adaptive</li> <li>• <i>Use of Stem cells in clinical Medicine</i></li> </ul>                                    |
| 3      | UG/8/L/IMM | Immune deficiency, SIRS <ul style="list-style-type: none"> <li>• Presenting problems</li> <li>• Recurrent infections</li> </ul>                                                                                                                                                 |

| Sr. No | Code       | 8 <sup>th</sup> Semester Lectures - I                                                                                                                                                                                                                                                                           |
|--------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |            | Topic:- Nephrology / General                                                                                                                                                                                                                                                                                    |
|        |            | <ul style="list-style-type: none"> <li>• Primary phagocyte deficiency</li> <li>• Complement pathway deficiency</li> <li>• Primary deficiencies of adaptive immune system</li> <li>• Secondary immune deficiency.</li> </ul>                                                                                     |
| 4      | UG/8/L/IMM | Cancer & chemotherapy <ul style="list-style-type: none"> <li>• Hallmarks</li> <li>• Environmental and genetic determinants</li> <li>• Investigations</li> <li>• Presenting problems</li> <li>• Complications of cancer</li> <li>• Therapeutics in oncology</li> </ul>                                           |
| 5      | UG/8/L/GEN | Human genome & Genetic Engineering and <i>Gene Therapy</i> <ul style="list-style-type: none"> <li>• Human genome project</li> <li>• Lab methods utilized in genetics</li> <li>• Concept of genetic engineering</li> <li>• Present &amp; future of genetic engineering</li> <li>• <i>Gene Therapy</i></li> </ul> |
| 6      | UG/8/L/NUT | Protein - Energy Malnutrition, anorexia nervosa <ul style="list-style-type: none"> <li>• PEM in adults</li> <li>• Methods to diagnose of PEM</li> <li>• Treatment of PEM</li> </ul>                                                                                                                             |
| 7      | UG/8/L/NUT | Vitamin Deficiency States Beri - Beri, Pellagra, Scurvy, Vitamin A Deficiency, Thiamine Deficiency <ul style="list-style-type: none"> <li>• Vitamin deficiency in adults</li> <li>• Common vit deficiencies in adults</li> <li>• Signs , symptoms &amp; treatment</li> </ul>                                    |
| 8      | UG/8/L/NUT | Obesity <ul style="list-style-type: none"> <li>• Problems of obesity with changed lifestyle</li> <li>• Various causes of obesity</li> <li>• Anthropometric measurements</li> <li>• Complication of obesity</li> <li>• Treatment options</li> </ul>                                                              |
| 9      | UG/8/L/NUT | Balanced Diet & Diet in Various Disorders <ul style="list-style-type: none"> <li>• Concept of balanced diet</li> <li>• Diets recommended in various medical disorders</li> </ul>                                                                                                                                |

| Sr. No | Code       | 8 <sup>th</sup> Semester Lectures - I                                                                                                                                                                                                                                                                       |
|--------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |            | Topic:- Nephrology / General                                                                                                                                                                                                                                                                                |
| 10     | UG/8/L/NUT | Fluid & electrolyte disorders <ul style="list-style-type: none"> <li>• Water &amp; electrolyte distribution</li> <li>• Investigation of water &amp; electrolyte disorders</li> <li>• Disorders of sodium balance</li> <li>• Disorders of water balance</li> <li>• Disorders of potassium balance</li> </ul> |
| 11     | UG/8/L/NEP | Applied Anatomy, Physiology of Urinary System and Renal function Tests <ul style="list-style-type: none"> <li>• In brief anatomy &amp; physiology of renal system</li> <li>• Laboratory investigation</li> <li>• Radiological investigations in renal system</li> </ul>                                     |
| 12     | UG/8/L/NEP | Proteinuria, Haematuria, Renal Colics : Approach <ul style="list-style-type: none"> <li>• Proteinuria- etiology, investigation, management</li> <li>• Hematuria- etiology, investigation, management</li> </ul>                                                                                             |
| 13     | UG/8/L/NEP | Acute Glomerulonephritis <ul style="list-style-type: none"> <li>• Etiology,</li> <li>• Pathogenesis</li> <li>• Investigation</li> <li>• Management</li> </ul>                                                                                                                                               |
| 14     | UG/8/L/NEP | Nephrotic Syndrome <ul style="list-style-type: none"> <li>• Clinical features,</li> <li>• Differential diagnosis</li> <li>• Management</li> </ul>                                                                                                                                                           |
| 15     | UG/8/L/NEP | Acute kidney injury <ul style="list-style-type: none"> <li>• Causes</li> <li>• Complication</li> <li>• Treatment of renal failure</li> </ul>                                                                                                                                                                |
| 16     | UG/8/L/NEP | Chronic kidney disease <ul style="list-style-type: none"> <li>• Clinical presentation</li> <li>• Complication of CRF</li> <li>• Treatment &amp; prevention</li> </ul>                                                                                                                                       |
| 17     | UG/8/L/NEP | Dialysis & Renal Transplant <ul style="list-style-type: none"> <li>• Hemodialysis</li> <li>• Peritoneal dialysis</li> </ul>                                                                                                                                                                                 |

| Sr. No | Code       | 8 <sup>th</sup> Semester Lectures - I                                                                                                                 |
|--------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |            | Topic:- Nephrology / General                                                                                                                          |
|        |            | <ul style="list-style-type: none"> <li>• Renal transplantation</li> </ul>                                                                             |
| 18     | UG/8/L/NEP | Infections of the Urinary System <ul style="list-style-type: none"> <li>• Upper &amp; lower UTI</li> <li>• Evaluation</li> <li>• Treatment</li> </ul> |
| 19     | UG/8/L/NEP | Tubulo- interstitial diseases <ul style="list-style-type: none"> <li>• Etiology</li> <li>• Clinical features</li> <li>• Management</li> </ul>         |
| 20     | UG/8/L/NEP | <ul style="list-style-type: none"> <li>• Revision</li> </ul>                                                                                          |

| Sr. No | Code        | 8 <sup>th</sup> Semester Lectures - II                                                                                                                                                                                                                                                                          |
|--------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |             | Topic:- Endocrinology                                                                                                                                                                                                                                                                                           |
| 1      | UG/8/L/ENDO | Approach to patient with Endocrine Disorders <ul style="list-style-type: none"> <li>• Anatomy of various glands</li> <li>• physiology of glands</li> <li>• Action of Hormones</li> <li>• Common symptoms</li> </ul>                                                                                             |
| 2      | UG/8/L/ENDO | Applied Anatomy of Pituitary and Disorders of Pituitary – I <ul style="list-style-type: none"> <li>• Anatomy of pituitary gland</li> <li>• Physiology of hormones secreted by anterior pituitary gland</li> <li>• Prolactinoma</li> <li>• Microadenoma</li> <li>• Macroadenoma</li> <li>• Acromegaly</li> </ul> |
| 3      | UG/8/L/ENDO | Applied Anatomy of Pituitary and Disorders of Pituitary – II <ul style="list-style-type: none"> <li>• Anatomy</li> <li>• Physiology of posterior pituitary gland</li> <li>• SIADH</li> <li>• Diabetes insipidus</li> <li>• Treatment</li> </ul>                                                                 |
| 4      | UG/8/L/ENDO | Thyroid Disorders – I <ul style="list-style-type: none"> <li>• Anatomy of thyroid gland</li> <li>• Physiology of thyroid gland with common signs and symptoms of hypothyroidism,</li> </ul>                                                                                                                     |

| Sr. No | Code        | 8 <sup>th</sup> Semester Lectures - II                                                                                                                                                                                            |
|--------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |             | Topic:- Endocrinology                                                                                                                                                                                                             |
|        |             | lab diagnosis <ul style="list-style-type: none"> <li>• Treatment of hypothyroidism</li> <li>• Autoimmune thyroiditis</li> </ul>                                                                                                   |
| 5      | UG/8/L/ENDO | Thyroid Disorders – II <ul style="list-style-type: none"> <li>• Hyperthyroidism &amp; thyroid malignancies &amp; treatment</li> <li>• Subclinical hypothyroidism and hyperthyroidism</li> </ul>                                   |
| 6      | UG/8/L/ENDO | Disorders of Adrenal gland – I <ul style="list-style-type: none"> <li>• Adrenal gland anatomy</li> <li>• Physiology &amp; action of adrenal gland hormones</li> <li>• Cushing disease</li> <li>• Treatment</li> </ul>             |
| 7      | UG/8/L/ENDO | Disorders of Adrenal gland – II <ul style="list-style-type: none"> <li>• Addisons disease</li> <li>• Pheochromocytoma</li> <li>• Treatment</li> <li>• Adrenal crisis</li> </ul>                                                   |
| 8      | UG/8/L/ENDO | <ul style="list-style-type: none"> <li>• Revision</li> </ul>                                                                                                                                                                      |
| 9      | UG/8/L/ENDO | Vitamin D Metabolism Parathyroid Disorders with calcium metabolism-I <ul style="list-style-type: none"> <li>• Vit D metabolism</li> <li>• Hyperparathyroidism</li> <li>• Hypoparathyroidism</li> <li>• Osteoporosis</li> </ul>    |
| 10     | UG/8/L/ENDO | Vitamin D Metabolism Parathyroid Disorders with calcium metabolism –II <ul style="list-style-type: none"> <li>• Hypercalcemia</li> <li>• Hypocalcemia</li> <li>• Familial hypocalciuric hypercalcemia</li> </ul>                  |
| 11     | UG/8/L/ENDO | Osteomalacia, Osteopetrosis & Rickets <ul style="list-style-type: none"> <li>• Causes, Clinical Features &amp; treatment osteomalacia, rickets</li> <li>• Causes, types, Pathophysiology, osteoporosis &amp; Treatment</li> </ul> |
| 12     | UG/8/L/ENDO | FSH, Estrogen, Progesterone & their Disorders <ul style="list-style-type: none"> <li>• Physiology of FSH, Estrogen, Progesterone secretion</li> </ul>                                                                             |

| Sr. No | Code        | 8 <sup>th</sup> Semester Lectures - II                                                                                                                                                                                                                     |
|--------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |             | Topic:- Endocrinology                                                                                                                                                                                                                                      |
|        |             | <ul style="list-style-type: none"> <li>Disorders due to hypo and hyper secretion of FSH, Estrogen, Progesterone</li> </ul>                                                                                                                                 |
| 13     | UG/8/L/ENDO | Gynaecomastia , hirsutism <ul style="list-style-type: none"> <li>Causes</li> <li>Factors associated</li> <li>Management</li> </ul> Turner's syndrome, klinefelters syndrome. <ul style="list-style-type: none"> <li>Genetics</li> <li>Features.</li> </ul> |
| 14     | UG/8/L/ENDO | Testicular disorders & male hypogonadism <ul style="list-style-type: none"> <li>Clinical features</li> <li>Investigations</li> <li>Infertility</li> <li>Androgen replacement therapy and management</li> </ul>                                             |
| 15     | UG/8/L/ENDO | Neuroendocrine tumours and MEN <ul style="list-style-type: none"> <li>Multiple endocrine neoplasia type 1(werners) and type 2(sipples)</li> <li>Autoimmune polyendocrine syndromes.</li> </ul>                                                             |
| 16     | UG/8/L/ENDO | Diabetics Mellitus-I <ul style="list-style-type: none"> <li>Etiology, theories</li> <li>Genetic inheritance</li> <li>Management of type- I D M</li> <li>DKA</li> </ul>                                                                                     |
| 17     | UG/8/L/ENDO | Diabetics Mellitus-II <ul style="list-style-type: none"> <li>Insulin resistance, syndrome x</li> <li>OHA / insulin</li> <li>Complications</li> </ul>                                                                                                       |
| 18     | UG/8/L/ENDO | <ul style="list-style-type: none"> <li>Revision</li> </ul>                                                                                                                                                                                                 |

| Sr. No | Code          | 8 <sup>th</sup> Semester                                                                                                                |
|--------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|        |               | Topic:- Tutorial & Seminar Programme                                                                                                    |
| 1      | UG/8/T&S/MISC | Poisoning –I <ul style="list-style-type: none"> <li>Different types of poisoning</li> <li>Classification of Poisonous agents</li> </ul> |
| 2      | UG/8/T&S/MISC | Poisoning -II <ul style="list-style-type: none"> <li>First Aid measures</li> <li>Decontamination removal of poisons</li> </ul>          |

| Sr. No | Code          | 8 <sup>th</sup> Semester                                                                                                                                                                                                                                         |
|--------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |               | Topic:- Tutorial & Seminar Programme                                                                                                                                                                                                                             |
|        |               | <ul style="list-style-type: none"> <li>Organophosphorus poisons, opium, alcohol, etc</li> </ul>                                                                                                                                                                  |
| 3      | UG/8/T&S/MISC | Animal bites <ul style="list-style-type: none"> <li>Classification of poisons snakes</li> <li>Clinical features</li> <li>Management</li> <li>Complications</li> <li>Scorpion bite clinical features, management.</li> </ul>                                      |
| 4      | UG/8/T&S/MISC | ECG – I <ul style="list-style-type: none"> <li>Simplest, cheapest, easily available, noninvasive, investigation, physiology of myocardial contraction, action potential, conducting system of heart, lead systems, intervals, rhythm &amp; heart rate</li> </ul> |
| 5      | UG/8/T&S/MISC | ECG – II <ul style="list-style-type: none"> <li>Acute coronary syndrome</li> <li>Stable CAD, TMT</li> </ul>                                                                                                                                                      |
| 6      | UG/8/T&S/MISC | ECG – III <ul style="list-style-type: none"> <li>Arrhythmias</li> <li>AV blocks</li> <li>AF, SVT etc</li> </ul>                                                                                                                                                  |
| 7      | UG/8/T&S/MISC | X-Ray Chest <ul style="list-style-type: none"> <li>Normal chest x ray PA view, AP view, lateral view, decubitus view Pneumonia</li> <li>Lung abscess</li> <li>Pleural effusion</li> <li>Cavitary lesion</li> </ul>                                               |
| 8      | UG/8/T&S/MISC | Other X-Rays & imaging procedures – USG <ul style="list-style-type: none"> <li>CT Scan</li> <li>MRI</li> </ul>                                                                                                                                                   |
| 9      | UG/8/T&S/MISC | Pleural Tap ICD, Pleural Fluid & PFT <ul style="list-style-type: none"> <li>Indications</li> <li>Procedures &amp; precautions</li> <li>Complications</li> <li>PFT- obstructive and restrictive lung disease</li> </ul>                                           |

| Sr. No | Code          | 8 <sup>th</sup> Semester                                                                                                                                                                                                                                                                                      |
|--------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |               | Topic:- Tutorial & Seminar Programme                                                                                                                                                                                                                                                                          |
| 10     | UG/8/T&S/MISC | <ul style="list-style-type: none"> <li>• Revision</li> </ul>                                                                                                                                                                                                                                                  |
| 11     | UG/8/T&S/MISC | Liver biopsy, LFT, Jaundice evaluation & Ascitic fluid Interpretation, anaphylaxis <ul style="list-style-type: none"> <li>• Indications</li> <li>• Procedures</li> <li>• Contraindications</li> <li>• LFT- Different tests,</li> <li>• Ascitic fluid tapping- Indications &amp; Procedure</li> </ul>          |
| 12     | UG/8/T&S/MISC | Haematology reports - analysis, Bone marrow report <ul style="list-style-type: none"> <li>• Types of anemia</li> <li>• Acute lymphoblastic leukemia</li> <li>• Acute myeloblastic leukemia</li> <li>• Chronic myeloid leukemia</li> <li>• Chronic lymphocytic leukemia</li> <li>• Multiple myeloma</li> </ul> |
| 13     | UG/8/T&S/MISC | Shock <ul style="list-style-type: none"> <li>• Definitions</li> <li>• Types of shock</li> <li>• Etiology</li> <li>• Management</li> </ul>                                                                                                                                                                     |
| 14     | UG/8/T&S/MISC | IV Fluids, ABG CVP <ul style="list-style-type: none"> <li>• Types of IV fluids and indications</li> <li>• ABG- metabolic/ respiratory, acidosis, metabolic/ respiratory alkalosis</li> <li>• CVP- indication, procedures, contra indication</li> </ul>                                                        |
| 15     | UG/8/T&S/MISC | CSF - Anatomy & Physiology, interpretation <ul style="list-style-type: none"> <li>• Indication &amp; contra indications of LP</li> <li>• Meningitis's Pyogenic, TB, Viral &amp; SAH</li> </ul>                                                                                                                |
| 16     | UG/8/T&S/MISC | Urinalysis, RFT, Kidney biopsy <ul style="list-style-type: none"> <li>• Albuninurea, glycosuria</li> <li>• Puscells, RBC, culture</li> <li>• Kidney biopsy</li> </ul>                                                                                                                                         |
| 17     | UG/8/T&S/MISC | Electrical injury hyperpyrexia, heat exhaustion & hyperthermia                                                                                                                                                                                                                                                |

| Sr. No | Code          | 8 <sup>th</sup> Semester                                                                                                                                                  |
|--------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |               | Topic:- Tutorial & Seminar Programme                                                                                                                                      |
|        |               | <ul style="list-style-type: none"> <li>• Temperatures regulation</li> <li>• Hyperthermia</li> <li>• Heart stroke- heat exhaustion</li> <li>• Electrical injury</li> </ul> |
| 18     | UG/8/T&S/MISC | <ul style="list-style-type: none"> <li>• Revision</li> </ul>                                                                                                              |

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

| Sr. No | Code        | 9 <sup>th</sup> Semester                                                                                                                                                                         |
|--------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |             | Seminars                                                                                                                                                                                         |
|        |             | <ul style="list-style-type: none"> <li>• Clinical features</li> <li>• Complications</li> <li>• Investigations</li> <li>• Management</li> </ul>                                                   |
| 6      | UG/9/S/ID   | Extrapulmonary tuberculosis <ul style="list-style-type: none"> <li>• Clinical presentations</li> <li>• Investigations</li> <li>• Management</li> </ul>                                           |
| 7      | UG/9/T/MISC | PUO <ul style="list-style-type: none"> <li>• Definition</li> <li>• Classification</li> <li>• Cause of PUO</li> <li>• Investigation</li> </ul>                                                    |
| 8      | UG/9/T/MISC | Diabetes Mellitus – I <ul style="list-style-type: none"> <li>• Etiology, theories</li> <li>• Genetic inheritance</li> <li>• Management of type I DM</li> <li>• Diabetic keto acidosis</li> </ul> |
| 9      | UG/9/T/MISC | Diabetes Mellitus – II <ul style="list-style-type: none"> <li>• Insulin resistance, syndrome x</li> <li>• OHA/ insulin</li> <li>• Complications</li> </ul>                                       |
| 10     | UG/9/T/MISC | Acute coronary syndromes <ul style="list-style-type: none"> <li>• Clinical features</li> <li>• Investigations</li> <li>• Management</li> </ul>                                                   |
| 11     | UG/9/T/MISC | Respiratory Failure <ul style="list-style-type: none"> <li>• Definition</li> <li>• Types of respiratory failure</li> <li>• Causes of respiratory failure</li> <li>• Management</li> </ul>        |
| 12     | UG/9/T/MISC | Valvular Heart Disease –I <ul style="list-style-type: none"> <li>• Etiology of valvular heart disease</li> <li>• Clinical features of MS MR Investigations</li> <li>• Complications</li> </ul>   |
| 13     | UG/9/T/MISC | Valvular Heart Disease II <ul style="list-style-type: none"> <li>• Etiology of valvular heart disease</li> <li>• Clinical features of AS AR TR</li> </ul>                                        |

| Sr. No | Code        | 9 <sup>th</sup> Semester                                                                                                                                                                                   |
|--------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |             | Seminars                                                                                                                                                                                                   |
|        |             | <ul style="list-style-type: none"> <li>• Investigations</li> <li>• Complications</li> </ul>                                                                                                                |
| 14     | UG/9/T/MISC | CCF <ul style="list-style-type: none"> <li>• Definition of CCF</li> <li>• Type of failure</li> <li>• Clinical features</li> <li>• Management of CCF</li> </ul>                                             |
| 15     | UG/9/T/MISC | Hypertension <ul style="list-style-type: none"> <li>• Definition ,</li> <li>• JNC classification,</li> <li>• causes,</li> <li>• secondary causes</li> <li>• investigation</li> <li>• Management</li> </ul> |
| 16     | UG/9/T/MISC | <ul style="list-style-type: none"> <li>• Revision</li> </ul>                                                                                                                                               |

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

| Sr. No. | Code        | 9 <sup>th</sup> – Semester Lecture Programme                                                                                                                                                                                                                                                                  |
|---------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |             | Topic:- Ethics / Geriatrics Medicine, Life Support Ventilation                                                                                                                                                                                                                                                |
| 5       | UG/9/L/MISC | Geriatrics Medicine 1 <ul style="list-style-type: none"> <li>• Introduction to Geriatric Medicine</li> <li>• Changing population structure</li> <li>• Changes in body due to aging</li> <li>• Assessment of Geriatric patient</li> </ul>                                                                      |
| 6       | UG/9/L/MISC | Geriatrics Medicine 2 <ul style="list-style-type: none"> <li>• Uncommon presentation of illness in geriatric age</li> <li>• Common Geriatric disorders</li> <li>• Causes of falls in elderly</li> <li>• Dementia, delirium, osteoporosis, osteomalacia</li> <li>• Incontinence of urine in elderly</li> </ul> |
| 7       | UG/9/L/MISC | Palliative care <ul style="list-style-type: none"> <li>• Concept of palliative care</li> <li>• Assessment of Pain &amp; visual analogue scale</li> <li>• Psychological aspects of terminally ill</li> <li>• Management of Common Problems.</li> </ul>                                                         |
| 8       | UG/9/L/MISC | Alcohol related disorders <ul style="list-style-type: none"> <li>• Alcohol; signs &amp; symptoms, medical problems, social problems, genetic factors, prevention &amp; management</li> </ul>                                                                                                                  |
| 9       | UG/9/L/MISC | Jaundice <ul style="list-style-type: none"> <li>• Types of jaundice</li> <li>• Bilirubin metabolism</li> <li>• Investigations in a case of jaundice</li> </ul>                                                                                                                                                |
| 10      | UG/9/L/MISC | Portal hypertension <ul style="list-style-type: none"> <li>• Definition</li> <li>• Causes &amp; classification</li> <li>• Clinical features</li> <li>• Management</li> </ul>                                                                                                                                  |
| 11      | UG/9/L/MISC | Upper GI Bleed <ul style="list-style-type: none"> <li>• Etiology, approach to diagnosis</li> <li>• General management</li> <li>• Management with special reference to peptic ulcer &amp; variceal bleed</li> </ul>                                                                                            |

| Sr. No. | Code        | 9 <sup>th</sup> – Semester Lecture Programme                                                                                                                                                                                                                                                                            |
|---------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |             | Topic:- Ethics / Geriatrics Medicine, Life Support Ventilation                                                                                                                                                                                                                                                          |
| 12      | UG/9/L/MISC | Biosafety precautions <ul style="list-style-type: none"> <li>• importance of biosafety precautions</li> <li>• Methods</li> <li>• Post exposure prophylaxis</li> </ul>                                                                                                                                                   |
| 13      | UG/9/L/MISC | <i>Principles of Critical care Basic &amp; advance life support</i> <ul style="list-style-type: none"> <li>• Principals of Critical care</li> <li>• BLS; emergency medical services, training in basic CPR &amp; ABC of life support</li> <li>• ALS; out of hospital/ in hospital; components ALS algorithms</li> </ul> |
| 14      | UG/9/L/MISC | Mechanical ventilation <ul style="list-style-type: none"> <li>• Indication types / modes / monitoring</li> <li>• Types of Ventilators</li> <li>• Weaning from ventilator</li> </ul>                                                                                                                                     |
| 15      | UG/9/L/MISC | Fluid and electrolyte balance <ul style="list-style-type: none"> <li>• Hyponatramia &amp; hypernatramia</li> <li>• Hypokalamia &amp; hyperkalamia</li> <li>• SIADH</li> </ul>                                                                                                                                           |
| 16      | UG/9/L/MISC | Dialysis (Peritoneal Hemodialysis) <ul style="list-style-type: none"> <li>• Indications</li> <li>• Methods</li> <li>• Complications</li> </ul>                                                                                                                                                                          |
| 17      | UG/9/L/MISC | High Altitude medicine <ul style="list-style-type: none"> <li>• Problems Related to High Altitude Approach &amp; Management.</li> </ul>                                                                                                                                                                                 |
| 18      | UG/9/L/MISC | <ul style="list-style-type: none"> <li>• Revision</li> </ul>                                                                                                                                                                                                                                                            |

| Sr. No. | Code         | 9 <sup>th</sup> – Semester                                                                                                                                                                                                                                                                                            |
|---------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |              | Lecture Cum Demonstration                                                                                                                                                                                                                                                                                             |
| 1       | UG/9/LD/MISC | Alcohol related diseases <ul style="list-style-type: none"> <li>• Acute intoxication, alcohol abuse, misuse, dependence</li> <li>• Alcohol withdrawal</li> <li>• Medical consequences ( neurological, hepatic, gastrointestinal, respiratory, cardiac etc)</li> <li>• Psychiatry and cerebral consequences</li> </ul> |

| Sr. No. | Code         | 9 <sup>th</sup> – Semester                                                                                                                                                                                                                                                                                             |
|---------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |              | Lecture Cum Demonstration                                                                                                                                                                                                                                                                                              |
| 2       | UG/9/LD/MISC | Approach to anaphylaxis <ul style="list-style-type: none"> <li>• Clinical assesment</li> <li>• Causes</li> <li>• Differential diagnosis</li> <li>• Investigations</li> <li>• Management</li> <li>• Prescription of self injectable adrenaline</li> </ul>                                                               |
| 3       | UG/9/LD/MISC | Status epilepticus <ul style="list-style-type: none"> <li>• Definition</li> <li>• Diagnosis</li> <li>• Management</li> <li>• Investigations</li> </ul>                                                                                                                                                                 |
| 4       | UG/9/LD/MISC | Vertigo ,dizziness, giddiness <ul style="list-style-type: none"> <li>• Definitions</li> <li>• Causes</li> <li>• History, examination.</li> <li>• BPPV, acute prolonged vertigo</li> <li>• Treatment</li> </ul>                                                                                                         |
| 5       | UG/9/LD/MISC | Approach to headache <ul style="list-style-type: none"> <li>• General principles</li> <li>• Anatomy and physiology of headache</li> <li>• Clinical evaluation</li> <li>• Types</li> <li>• Causes</li> <li>• Management</li> </ul>                                                                                      |
| 6       | UG/9/LD/MISC | Approach to diarrhea <ul style="list-style-type: none"> <li>• Definition</li> <li>• Acute diarrhea- causes, pathological organisms, investigations, management</li> <li>• Chronic diarrhea- causes, pathological organisms, investigations, management</li> <li>• Clinical evaluation</li> <li>• Management</li> </ul> |
| 7       | UG/9/LD/MISC | Approach to chest pain <ul style="list-style-type: none"> <li>• Clinical evaluation</li> <li>• Causes (cardiac, respiratory, gastrointestinal, musculoskeletal etc)</li> <li>• Investigations</li> </ul>                                                                                                               |

| Sr. No. | Code         | 9 <sup>th</sup> – Semester                                                                                                                                                                                                                                                                            |
|---------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |              | Lecture Cum Demonstration                                                                                                                                                                                                                                                                             |
|         |              | <ul style="list-style-type: none"> <li>• Management</li> </ul>                                                                                                                                                                                                                                        |
| 8       | UG/9/LD/MISC | Disaster management –I <ul style="list-style-type: none"> <li>• Types (natural, environmental, complex, pandemic)</li> <li>• Disaster prevention</li> <li>• Disaster preparedness</li> </ul>                                                                                                          |
| 9       | UG/9/LD/MISC | Disaster management-II <ul style="list-style-type: none"> <li>• Disaster relief.</li> <li>• Disaster recovery.</li> <li>• Use of resources</li> <li>• Triage</li> </ul>                                                                                                                               |
| 10      | UG/9/LD/MISC | Approach to dementia <ul style="list-style-type: none"> <li>• Aetiology ( vascular, degenerative, neoplastic, inflammatory, traumatic, toxic, inflammatory)</li> <li>• Clinical features</li> <li>• Investigations</li> <li>• Management</li> <li>• Alzheimers disease, lewy body dementia</li> </ul> |
| 11      | UG/9/LD/MISC | Sudden death syndromes <ul style="list-style-type: none"> <li>• causes cardiac/noncardiac</li> <li>• Prevention , early detection</li> </ul>                                                                                                                                                          |
| 12      | UG/9/LD/MISC | Medical diseases in pregnancy <ul style="list-style-type: none"> <li>• Hypertension</li> <li>• Diabetes mellitus in pregnancy</li> <li>• Pre eclampsia</li> <li>• Hyperthyroidism in pregnancy</li> <li>• Deep vein thrombosis.</li> </ul>                                                            |
| 13      | UG/9/LD/MISC | Travel medicine <ul style="list-style-type: none"> <li>• International travel and health</li> <li>• Disease information</li> <li>• Vaccines</li> <li>• Travel health risks</li> <li>• General precautions</li> </ul>                                                                                  |
| 14      | UG/9/LD/MISC | Adult immunization <ul style="list-style-type: none"> <li>• Mumps measles and rubella</li> <li>• Pneumococcal vaccines</li> <li>• Influenza</li> </ul>                                                                                                                                                |

| Sr. No. | Code         | 9 <sup>th</sup> – Semester                                                                                                                                                                                                                                                                                                                     |
|---------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |              | Lecture Cum Demonstration                                                                                                                                                                                                                                                                                                                      |
|         |              | <ul style="list-style-type: none"> <li>• Tetanus and others.</li> <li>• Recent advances and newer vaccines.</li> </ul>                                                                                                                                                                                                                         |
| 15      | UG/9/LD/MISC | Skin manifestation in systemic diseases <ul style="list-style-type: none"> <li>• Various skin manifestations in infections and malignancies.</li> <li>• Skin problems in general medicine (vasculitis, tuberous sclerosis, neurofibromatosis etc)</li> <li>• Skin problems associated with (CVS,RS,CNS, Hepatic &amp; GIT Diseases)</li> </ul> |
| 16      | UG/9/LD/MISC | Paraneoplastic syndromes <ul style="list-style-type: none"> <li>• Peripheral; neuropathy</li> <li>• Encephalomyelitis</li> <li>• Cerebellar degeneration</li> <li>• Lambert eaton syndrome</li> </ul>                                                                                                                                          |
| 17      | UG/9/LD/MISC | Brain death <ul style="list-style-type: none"> <li>• Criteria for brain death</li> <li>• Tests for confirming brain death</li> <li>• Clinical evaluation</li> </ul>                                                                                                                                                                            |
| 18      | UG/9/LD/MISC | <i>Concept of Nano Medicine</i> <ul style="list-style-type: none"> <li>• Introduction to nano technology</li> <li>• Use of nano technology in medicine</li> </ul>                                                                                                                                                                              |
| 19      | UG/9/LD/MISC | <ul style="list-style-type: none"> <li>• Revision</li> </ul>                                                                                                                                                                                                                                                                                   |

#### ABBREVIATION FOR SUBJECT CODES

*CS04 Clinical Subject 04 (code for Medicine), UG-Undergraduate, LD-Lecture Demo, FL- Flip Lecture, T-Tutorial, TSP-Tutorial & Seminar Program, S-Seminars, LCD-Lecture Cum Demonstration*

*ID-Infection Diseases, CVS-Cardiovascular System, GL- GIT / Liver, RS-Respiratory System,*

*HR-Hematology & Rheumatology, NS-Nervous System, NG- Nephrology / General, Endo-Endocrinology, EGM-Ethics / Geriatrics Medicine, LSV-Life Support & Ventilation,*

**TRAINING AND EXAMINATION SCHEDULE FOR  
3<sup>RD</sup> TO 9<sup>TH</sup> TERM OF UNDERGRADUATE STUDENTS POSTED IN  
MEDICINE DEPARTMENT**

| <b>Term</b>                    | <b>Training Schedule</b>                                                                                                    | <b>Examination Schedule</b>                                                                                            |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 3 <sup>rd</sup> Term           | History taking & General Examination.                                                                                       | History taking & General Examination.                                                                                  |
| 4 <sup>th</sup> Term           | All above mentioned in 3 <sup>rd</sup> Term + Examination of Cardio-Vascular System. Respiratory System & Abdominal System. | History taking + General Examination + Examination of Respiratory System, Abdominal System and Cardio-Vascular System. |
| 5 <sup>th</sup> Term           | All above mentioned in 4 <sup>th</sup> Term + Examination of Central Nervous System.                                        | No Examination.                                                                                                        |
| 6 <sup>th</sup> Term           | All Systems                                                                                                                 | History taking & Examination of all systems                                                                            |
| 7 <sup>th</sup> Term           | All Systems                                                                                                                 | History taking & Examination of all systems+ Exercises in Problem Based Learning.                                      |
| 8 <sup>th</sup> Term           | All Systems                                                                                                                 | History taking & Examination of all systems + Table Viva (ECG/X-ray/Drugs/Instruments).                                |
| 9 <sup>th</sup> 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. *10% Marks Allotted to Journal for Each Term End Practical Exam.*

**METHODS OF INTERNAL ASSESSMENT:  
THEORY, PRACTICAL AND VIVA (MEDICINE) INTERNAL  
ASSESSMENT**

**CLINICAL**

| <b>Term</b> | <b>Subject</b>          | <b>Marks</b>             |
|-------------|-------------------------|--------------------------|
| 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                 |
|             | <b>Total</b>            | <b>240 marks</b>         |
|             |                         | <b>240/16 = 15 marks</b> |
| IX          | Preliminary Examination | 120 marks                |
|             |                         | <b>120/8 = 15 marks</b>  |
|             | <b>Total Marks</b>      | <b>15+15 = 30 marks</b>  |
|             |                         |                          |

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

| <b>Term</b>        | <b>Marks</b>        |
|--------------------|---------------------|
| VI                 | 60 marks            |
| VIII               | 60 marks            |
| <b>Total</b>       | <b>120 / 8 = 15</b> |
| IX Prelims         | 120 / 8 = 15        |
| <b>Total Marks</b> | <b>15 + 15 = 30</b> |

## THEORY

### THEORY PAPERS:

#### Paper I:

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

#### Paper II:

Contents: Nervous System, GIT, Hepatology, Pancreatic Disorders, Endocrine, Metabolic and Nutritional Disorders, Connective Tissue and Musculoskeletal Disorders, Poisoning and Environmental Diseases, Geriatrics, Skin and 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 and Musculoskeletal Disorders, Poisoning and Environmental Diseases, Geriatrics, Skin & Psychiatry Disorders including Psychiatry, Dermatology and S.T.D.)

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

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

**Marks Distribution Pattern Theory Paper 1**

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

**Marks Distribution Pattern Theory Paper 2**

| Subject                                                                                                                                                                                                                                                            | Group    | Duration | Question Paper Pattern                                                                                                                                                | Marks          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>Medicine Paper 2</b><br>(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.  | <b>a) Sec-A-(30)</b><br>i. One line answer questions Answer (any 12 out of 14)                                                                                        | 12 X 1<br>= 12 |
|                                                                                                                                                                                                                                                                    |          |          | ii. Long answer question (Answer any 2 out of 3)                                                                                                                      | 2 X 9<br>= 18  |
|                                                                                                                                                                                                                                                                    |          |          | <b>b) Sec-B-(30)</b><br>i. Short answer questions<br>Answer any 6 out of 8<br>(It should contain at least one short answer question on TB, Skin & STD and Psychiatry) | 6 X 5<br>= 30  |
|                                                                                                                                                                                                                                                                    |          |          | <b>Total =</b>                                                                                                                                                        | <b>60</b>      |

**UNIVERSITY PRACTICAL EXAMINATION IN MEDICINE**

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