### Subject: Practice of Medicine

# Subject code: HomUG PM-I

### Index

| S.No | Description                                | Page Number |
|------|--|-------------|
| 1.   | Preamble                                   | 2           |
| 2.   | Course Outcomes (CO)                       | 2-3         |
| 3.   | Learning Objectives (LO)                   | 3-4         |
| 4.   | Course Content And Term –wise Distribution | 5           |
| 5.   | Teaching Hours                             | 5-16        |
| 6.   | Content Mapping                            | 17-165      |
| 7.   | Teaching Learning Methods                  | 166         |
| 8.   | Details of Assessment                      | 167-168     |
| 9.   | List of Recommended Books                  | 168-169     |
| 10.  | List of Contributors                       | 169         |

#### 1. Preamble

Practice of Medicine with Homoeopathic therapeutics is concerned with study of clinical methods, clinical presentations of systemic diseases, differential diagnosis and prognosis, general management and integration with Homoeopathic principles to evolve homoeopathic therapeutics.

Homoeopathy has a distinct approach to the concept of disease. It recognizes the ailing individual by studying him as a whole rather than in terms of sick parts and emphasizes the study of the man, his state of health, state of Illness. The emphasis is on study of man in respect of health, disposition, diathesis, disease, taking all predisposing and precipitating factors, i.e. fundamental cause, maintaining cause and exciting cause. The study of the concept of individualization is essential so that the striking features which are characteristic to the individual become clear, in contrast to the common picture of the respective disease condition. Hahnemann's theory of chronic miasms provides us an evolutionary understanding of the chronic diseases: psora, sycosis, tubercular and syphilis, and acute manifestations of chronic diseases and evolution of the natural disease shall be comprehended in the light of theory of chronic miasms.

This will demand correlation of the disease conditions with basics of anatomy, physiology, biochemistry and pathology. Application of Knowledge of Organon of Medicine and Homoeopathic Philosophy, Materia Medica and Repertory in dealing with the disease conditions should be actively taught.

Life style disorders have burgeoned in modern times. Homoeopathy has a great deal to offer through its classical holistic approach. There are plenty of therapeutic possibilities which Homoeopathy needs to exploit in the years to come.

#### 2. Course outcomes

- i. Develop as a sound homoeopathic clinician who can function indifferent clinical settings by applying knowledge, clinical skills and attitudes in studying the individual as a whole.
- ii. Able to correlate the disease conditions with the basics of anatomy, physiology, biochemistry and pathology.
- iii. Able to apply the knowledge of causation, pathophysiology, pathogenesis, manifestations, and diagnosis (including differential diagnosis) to understand the disease.
- iv. Develop adequate knowledge for rational use of investigations and its interpretation to arrive at a final diagnosis of disease.
- v. Ability to make a rational assessment of prognosis and general management of different disease conditions.

- vi. Ability to understand and provide preventive, curative, palliative, rehabilitative and holistic care with compassion, following the principles of Homoeopathy.
- vii. Able to integrate the clinical state of the disease with the concepts of Organon of Medicine and Homoeopathic Philosophy, Repertory and Homoeopathic Materia Medica for the management of the patient.

#### 3. Learning objectives

At the end of BHMS II course, the students should be able to-

- i. Clinico-pathological evaluation of common signs and symptoms with miasmatic integration.
  - **a.** Understanding Common Signs and Symptoms: By the end of the course, students will be proficient in recognizing and evaluating common signs and symptoms presented by patients, utilizing a holistic approach that integrates clinical and pathophysiological processes involved.
  - **b. Diagnostic Competence**: Through case-based learning and clinical exposure, students will develop the skills necessary to conduct comprehensive clinico-pathological evaluations, to identify underlying disease tendencies and susceptibilities.
  - c. Therapeutic Proficiency: Students will be able to able to select Homoeopathic remedies based on the disease expression.
- ii. Infectious Diseases general outline and introduction and common expression and investigation; Water & Electrolyte Disturbances, Acid Base Metabolism
  - **a.** Comprehensive Understanding: Students will acquire a comprehensive understanding of the principles of infectious diseases, including their aetiology, pathogenesis, epidemiology, and clinical manifestations, within the context of homeopathic philosophy.
  - **b.** Recognition of Common Infections: Through case studies and practical sessions, students will learn to identify common infectious diseases encountered in clinical practice, integrating homeopathic principles with conventional approaches to diagnosis.
  - **c. Diagnostic Approach**: Students will develop proficiency in employing diagnostic methods relevant to infectious diseases, including physical examination findings, laboratory tests, and imaging studies, while considering holistic aspects of the patient's health.

- **d. Introduction to Prevention and Control Measures**: Students will be able to define preventive strategies and public health measures aimed at controlling the spread of infectious diseases, incorporating principles of homeopathy into discussions of hygiene, immunity, and environmental factors.
- iii. General Considerations of Immunity & Susceptibility
  - **a.** Understanding Immune Function: Students will acquire a comprehensive understanding of the immune system, including its cellular and humoral components, mechanisms of recognition, and response to pathogens and foreign antigens.
  - **b.** Exploration of Susceptibility: Through theoretical study and clinical case discussions, students will explore the concept of susceptibility in homoeopathy, examining factors that influence an individual's predisposition to disease and their response to homoeopathic treatment.
  - **c. Integration of Immune Concepts**: Students will learn to integrate concepts of immunity and susceptibility into the homoeopathic framework, considering the role of constitutional factors, miasmatic influences, and environmental exposures in shaping an individual's health status.
- iv. Introduction to Medical Genetics
  - **a.** Foundational Principles: Students will gain aintroductory understanding of medical genetics, including principles of inheritance, genetic variation, and gene-environment interactions relevant to human health and disease.
  - **b.** Genetic Disorders: Through theoretical study, students will familiarize themselves with common genetic disorders, including single gene disorders, chromosomal abnormalities, and their clinical manifestations.

These course outcomes aim to equip second-year homoeopathy degree students with the knowledge, skills, and perspectives necessary to approach the evaluation and management of common clinical presentations, infectious diseases and establishing the relationship between knowledge of genetics and immunology with Homoeopathic concept of qualitative aspects of Susceptibility.

### 4. Course content and its term-wise distribution

| Theory  | Non-lectures (Clinical/Demonstrative) |  |  |
|---|---------------------------------------|--|--|
|   | Term I                                |  |  |
| <ol> <li>Clinico - pathological evaluation<br/>of common signs and symptoms<br/>with miasmatic integration*</li> <li>Introduction to Medical genetics*</li> </ol> | Clinical: 10<br>Demonstrative: 2      |  |  |
|   | Term II                               |  |  |
| <ol> <li>Immunity &amp; Susceptibility -<br/>General considerations*</li> </ol>   | Clinical: 10                          |  |  |
| <ol> <li>Infectious Diseases and Tropical<br/>Diseases*</li> </ol>  | Demonstrative: 2                      |  |  |
| *Refer clause 5.4 and tables 5.4.1 – 5.4.5 for detailed content (topics breakup)  |                                       |  |  |

# 5. Teaching hours

### **5.1.** Gross division of teaching hours

| Practice of Medicine |                          |                              |       |  |
|----------------------|--------------------------|------------------------------|-------|--|
| Year                 | Teaching hours- Lectures | Teaching hours- Non-lectures | Total |  |
| II BHMS              | 80                       | 24                           | 104   |  |

### **5.2. Teaching hours theory**

| Sr. No. | Торіс   | Hours |
|---------|---|-------|
| 1       | Clinico - pathological evaluation of common signs and symptoms with miasmatic integration | 35    |
| 2       | Immunity & Susceptibility - General considerations  | 5     |
| 3       | Introduction to Medical genetics  | 5     |
| 4       | Infectious Diseases and Tropical Diseases   | 35    |
|         | Total   | 80    |

# 5.3. Teaching hours Non-lecture

| Sr. No. | Non-lectures  | Hours |
|---------|---|-------|
|         | Clinical  |       |
|         | Approach to Patient:  |       |
| 1       | a) Doctor & Patient: General Principles of History Taking   | 3     |
| 1       | b) Physical Examination General Principles  | 5     |
|         | c) Differential Diagnosis: The beginning of management plan   |       |
|         | General Assessment:   |       |
| 2       | a) Psychological Assessment   | 3     |
|         | b) Nutritional Assessment   |       |
| 3       | General Physical Examination Skill  | 14    |
|         | Demonstrative   |       |
| 4       | Case Based / Problem Based Discussion on any of the topic of II BHMS Syllabus topic to be conducted | 1     |
| 4       | [as per availability of the case material or patient]   | 4     |
|         | Total   | 24    |

### 5.4. Distribution of teaching hours with breakup of each topic

# 5.4.1. Clinico - pathological evaluation of Common signs and symptoms with miasmatic integration

### Cardinal Manifestations and Presentation of Diseases with relevant investigations

(Ref: Harison's Principles of Internal Medicine 21<sup>st</sup>Ed)

| Sr. No. | Торіс                              | Topic breakup   | Hours |
|---------|------------------------------------|---|-------|
| 1       | Pain                               | 1) <b>Pain</b> : Pathophysiology, types of pain   | 4     |
|         |                                    | 2) Chest Discomfort   |       |
|         |                                    | 3) Abdominal Pain   |       |
|         |                                    | 4) Headache   |       |
|         |                                    | 5) Back and Neck Pain   |       |
| 2       | Alterations in Body<br>Temperature | 6) <i>Fever:</i> Definition, types of fever, aetiology, pathophysiology, physical examination, investigations and management                            | 3     |
|         |                                    | 7) <i>Fever and Rash:</i> Definition of rash, Approach - causes and its presentation, examinations, investigations and management                       |       |
|         |                                    | 8) <i>Fever of Unknown Origin:</i> Definition, types, aetiology and epidemiology, diagnostic tests, differential diagnosis and management               |       |
| 3       | Neurological Symptoms              | 9) <i>Syncope:</i> Definition, classification and its aetiology and its pathophysiology, clinical features as per the types, investigations, management | 6     |
|         |                                    | 10) <i>Dizziness and Vertigo:</i> Definition, clinical approach with  |       |
|         |                                    | its pathophysiology and management  |       |
|         |                                    | 11) <i>Fatigue:</i> Definition, differential diagnosis, clinical approach and management  |       |

| Sr. No. | Торіс | Topic breakup  | Hours |
|---------|-------|--|-------|
|         |       | 12) Neurologic Causes of Weakness and Paralysis: Definition  |       |
|         |       | [Weakness, Paralysis, Tone, Spasticity, Rigidity, Paratonia, |       |
|         |       | flaccidity, Fasciculations], Pathogenesis [Upper Motor       |       |
|         |       | Neuron Weakness, Lower Motor Neuron Weakness,                |       |
|         |       | Neuromuscular Junction Weakness, Myopathic Weakness,         |       |
|         |       | & Psychogenic Weakness], Distribution and its approach.      |       |
|         |       | 13) Numbness, Tingling, and Sensory Loss: Definition,        |       |
|         |       | pathophysiology and differential diagnosis                   |       |
|         |       | 14) Gait Disorders, Imbalance, and Falls:                    |       |
|         |       | a) Anatomy and physiology related to Gait balance.           |       |
|         |       | b) Definition, pathophysiology and clinical                  |       |
|         |       | significance related to different types of gait              |       |
|         |       | disorders.   |       |
|         |       | c) Definition, pathophysiology and clinical                  |       |
|         |       | manifestation of disorders of balance.                       |       |
|         |       | d) Assessment for the patient with falls.                    |       |
|         |       | 15) Confusion and Delirium: Definition, epidemiology, risk   |       |
|         |       | factors, pathogenesis, clinical features, physical           |       |
|         |       | examinations, investigations, diagnostic criteria,           |       |
|         |       | differential diagnosis and general management.               |       |
|         |       | 16) Coma and disorders of consciousness: Definition, stages, |       |
|         |       | Diagnostic approach: History, aetiology and its differential |       |
|         |       | diagnosis, neurological examinations, investigations,        |       |
|         |       | management and prognosis                                     |       |
|         |       | 17) Dementia: Definition, functional anatomy of dementia,    |       |
|         |       | aetiology and its differential diagnosis, Diagnostic         |       |
|         |       | approach: History physical & neurological examinations,      |       |

| Sr. No. | Торіс                       | Topic breakup   | Hours |
|---------|-----------------------------|---|-------|
|         |                             | cognitive and neuropsychiatric examination, investigations                          |       |
|         |                             | and management  |       |
|         |                             | 18) Aphasia, Memory Loss, and Other Cognitive Disorders:                            |       |
|         |                             | Definition, applied anatomy, clinical examination                                   |       |
|         |                             | 19) Sleep Disorders: Physiology of sleep and wakefulness,                           |       |
|         |                             | approach to sleep disorders and treatment; evaluation of insomnia and its treatment |       |
| 4       | Circulatory and Respiratory | 20) Dyspnoea: Definition, epidemiology, mechanisms                                  | 6     |
|         | Dysfunctions                | underlying dyspnoea, assessment, differential diagnosis;                            |       |
|         |                             | Clinical approach: history, physical examination,                                   |       |
|         |                             | investigations and management.  |       |
|         |                             | 21) Cough: Definition, mechanism of cough, impaired cough,                          |       |
|         |                             | aetiology, classification, assessment of chronic cough,                             |       |
|         |                             | differential diagnosis, approach: history, physical                                 |       |
|         |                             | examination, investigations and management.   |       |
|         |                             | 22) Haemoptysis: Definition, understanding anatomy &                                |       |
|         |                             | physiology of it, aetiopathogenesis, evaluation of                                  |       |
|         |                             | haemoptysis: history, physical examination, diagnostic                              |       |
|         |                             | evaluation, and management.   |       |
|         |                             | 23) Hypoxia and Cyanosis:   |       |
|         |                             | a) Hypoxia: Definition, response to hypoxia,  |       |
|         |                             | aetiology, pathophysiology, adaptation to hypoxia.                                  |       |
|         |                             | b) Cyanosis: Definition, types, differential diagnosis                              |       |
|         |                             | with its aetiology, approach to cyanosis.   |       |
|         |                             | 24) Oedema: Definition, aetiopathogenesis, differential                             |       |
|         |                             | diagnosis – Generalized and Localized oedema;                                       |       |

| Sr. No. | Торіс                      | Topic breakup  | Hours |
|---------|----------------------------|--|-------|
|         |                            | distribution of oedema; Approach: History taking, Clinical   |       |
|         |                            | examination and investigations.  |       |
|         |                            | 25) Palpitations: Definition, aetiopathogenesis, differential  |       |
|         |                            | diagnosis, Approach: History taking, Clinical examination,   |       |
|         |                            | investigations and management.   |       |
| 5       | Abdominal/GIT Dysfunctions | <ul> <li>26) <i>Dysphagia:</i> Definition, physiology of swallowing, pathophysiology; Approach: history taking, Clinical examination, diagnostic procedures and management.</li> <li>27) <i>Nausea, Vomiting and Indigestion:</i> Definition,</li> </ul> | 6     |
|         |                            | mechanism, causes & differential diagnosis, Approach:<br>history taking, Clinical examination, diagnostic testing and<br>management.   |       |
|         |                            | 28) <i>Diarrhoea and Constipation:</i> Definition, Normal  |       |
|         |                            | physiology, types and causes, differential diagnosis,  |       |
|         |                            | Approach: history taking, Clinical examination, diagnostic   |       |
|         |                            | testing and management.  |       |
|         |                            | 29) <b>Dysentery:</b> Definition, causes, differential diagnosis,<br>Approach: history taking, Clinical examination, diagnostic<br>testing and management.   |       |
|         |                            | 30) Unintentional Weight Loss: Definition, physiology of   |       |
|         |                            | weight regulation with aging, causes and differential  |       |
|         |                            | diagnosis, assessment and testing, management.   |       |
|         |                            | 31) Gastrointestinal Bleeding: Definition, source of the   |       |
|         |                            | bleeding and its causes and its mechanism, Approach:   |       |
|         |                            | history taking, differentiation of UGIB & LGIB - its   |       |
|         |                            | assessment, evaluation and management.   |       |

| Sr. No. | Торіс                                   | Topic breakup  | Hours |
|---------|---|--|-------|
|         |   | <ul> <li>32) Jaundice: Definition, clinical evaluation, metabolism of bilirubin, aetiopathogenesis, classification and its causes, differential diagnosis, Approach: history taking, Clinical examination, diagnostic testing and management.</li> <li>33) Abdominal Swelling &amp; Ascites: Definition, causes, differential diagnosis, Approach: history taking, Clinical examination, investigations and its evaluation. Ascites: Definition, aetiopathogenesis, evaluation, management and complications.</li> </ul> |       |
| 6       | Renal and Urinary Tract<br>Dysfunctions | <ul> <li>34) <i>Interstitial Cystitis / Bladder Pain Syndrome:</i> Definition, aetiopathogenesis, clinical presentation, investigations, diagnostic evaluation, management, complication and prognosis.</li> <li>35) <i>Dysuria:</i> Definitions, aetiology, pathophysiology, assessment and diagnostic evaluation.</li> <li>36) <i>Azotaemia and Urinary Abnormalities:</i> Definitions, aetiology, pathophysiology, assessment and diagnostic evaluation.</li> </ul>   | 4     |
|         |   | 37) Fluid and Electrolyte Imbalance:Causes,pathophysiological evaluation, InvestigationsCauses,  |       |
| 7       | Haematological alterations              | <ul> <li>38) <i>Anaemia:</i> Definition, applied anatomy &amp; physiology of RBC, regulation of its production; classification, clinical presentation; Approach: History taking, clinical examination, investigations and diagnostic evaluation</li> <li>39) <i>Leucocytosis &amp; Leukopenia:</i> Definition, Aetiology, differential diagnosis.</li> </ul>   | 4     |

| Sr. No. | Торіс                  | Topic breakup   | Hours |
|---------|------------------------|---|-------|
|         |                        | 40) Bleeding diatheses: Bleeding & Thrombosis: Definitions,     |       |
|         |                        | applied anatomy & physiology of Haemostasis, aetiology          |       |
|         |                        | of disorder of haemostasis, clinical presentation and history   |       |
|         |                        | taking, clinical examination, laboratory evaluation.            |       |
|         |                        | 41) Interpretation of Peripheral Blood Smears                   |       |
| 8       | Psychological symptoms | 42) Causes of asthenia, anxiety, sadness, thought disorders and | 2     |
|         |                        | delusions, perceptual disorders and hallucinations and          |       |
|         |                        | relevant investigations   |       |
|         |                        | Total   | 35    |

# 5.4.2 Medical genetics:

| Sr. No. | Topic lecture  | Hours |
|---------|--|-------|
| 1       | Cytogenetics - definition, classification of chromosomal abnormality | 1     |
| 2       | Down's Syndrome  | 1     |
| 3       | Turner's & Klinefelter's Syndrome                                    | 1     |
| 4       | Cystic fibrosis, Huntington's disease & Marfan's syndrome            | 1     |
| 5       | Poly cystic kidney disease   | I     |
| 6       | Neoplasia  | 1     |
| 7       | Rare diseases – basic concept  |       |
| 8       | Integrating concept of Genetics with Homoeopathy                     | 1     |
| -       | Total  | 5     |

| Sr. No. | Topic lecture  | Hours |
|---------|--|-------|
| 1       | Introduction and Primary & Secondary Immunodeficiency States     | 1     |
| 2       | Hypersensitivity reactions: I, II, III, IV                       | 1     |
| 3       | Autoimmune diseases  | 1     |
| 4       | Transplants, Graft rejection                                     | I     |
| 5       | HIV  | 1     |
| 6       | Integrating concept of Immunity with Homoeopathy: Susceptibility | 1     |
|         | TOTAL  | 5     |

#### 5.4.3 Immunological factors in disease with concept of susceptibility:

**5.4.4** For study of infectious and tropical diseases: Emphasis shall be on the following headings:

- i. Definition
- ii. Causative agents
- iii. Epidemiology
- iv. Pathogenesis
- v. Clinical features
- vi. Investigations
- vii. Diagnostic features
- viii. Differential Diagnosis
- ix. Complications
- x. Management
- xi. Prevention
- xii. Prognosis
- xiii. Homoeopathic classification of disease with its reasons
- xiv. Repertorial coverage / reference related to the disease
- xv. Homoeopathic therapeutics to the disease

| Sr. No. | Topic Lecture                            | Hours |
|---------|--|-------|
| 1       | Herpes simplex viruses [HSV] infections  | 1     |
| 2       | Varicella-zoster virus (VZV) infection   | 1     |
| 3       | Epstein-Barr virus [EBV] Infections      | 1     |
| 4       | Poliovirus Infections                    | 1     |
| 5       | Measles                                  | 1     |
| 6       | Mumps                                    | 1     |
| 7       | Rabies                                   | 1     |
| 8       | Dengue                                   | 1     |
| 9       | Japanese B Encephalitis                  | 1     |
| 10      | BIRD FLU                                 |       |
| 11      | Influenza A H1N1 virus                   | 2     |
| 12      | Chikungunya                              |       |
| 13      | COVID 19 Virus Infection                 | 1     |
| 14      | Yellow fever                             | 1     |
| 15      | Smallpox (variola) - poxvirus infection  | 1     |
| 16      | HIV Infection                            | 1     |
| 17      | Zika virus infection                     | 1     |
| 18      | Rickettsial infection                    | I     |
| 19      | Staphylococcal, streptococcal infections | 1     |
| 20      | Typhoid Fever                            | 1     |
| 21      | Gastroenteritis                          | 1     |
| 22      | Cholera                                  | 1     |
| 23      | Tetanus                                  | 1     |
| 24      | Anthrax, brucellosis, plague             | 1     |
| 25      | Leprosy                                  | 1     |
| 26      | Sexually Transmitted Disease, Syphilis   | 1     |

| Sr. No. | Topic Lecture                        | Hours |
|---------|--------------------------------------|-------|
| 27      | Amoebiasis, Amoebic Liver Abscess    | 1     |
| 28      | Filariasis / Worm infestations       | 1     |
| 29      | Malaria &Kalazar                     | 1     |
| 30      | Leptospirosis                        | 1     |
| 31      | Tuberculosis                         | 1     |
| 32      | Extra pulmonary tuberculosis         | 1     |
| 33      | Diphtheria                           | 1     |
| 34      | Pertussis (whooping cough)           | 1     |
| 35      | Therapeutics of Infectious Disorders | 3     |
|         | TOTAL                                | 35    |

# 5.4.5 Teaching hours distribution to clinical / practical / demonstrative activities (Non-lectures):

| Sr. No. | Non-lectures  | Hours |
|---------|---|-------|
| 1       | Approach to Patient:  |       |
|         | d) Doctor & Patient: General Principal of History Taking                          | 3     |
|         | e) Physical Examination General Principal   | 5     |
|         | f) Differential Diagnosis: The beginning of management plan                       |       |
| 2       | General Assessment:   |       |
|         | c) Psychiatric Assessment   | 3     |
|         | d) Nutritional Assessment   |       |
| 3       | General Examination Skill:  | 14    |
|         | i.) Temp recording and its documentation and interpretation                       | 1     |
|         | ii.) Pulse examination at different site and its documentation and interpretation | 1     |
|         | iii.) RR examination and its documentation and interpretation                     | 1     |
|         | iv.) BP Recoding and its documentation and its interpretation                     |       |
|         | v.) Height measurement and its documentation and interpretation                   | 1     |

| Sr. No. | Non-lectures  | Hours |  |  |  |  |  |  |  |
|---------|---|-------|--|--|--|--|--|--|--|
|         | vi.) Weight measurement and its documentation and interpretation  |       |  |  |  |  |  |  |  |
|         | vii.) BMI and Nutrition Assessment and its documentation and interpretation   |       |  |  |  |  |  |  |  |
|         | viii.) Observation of Appearance, Built, and assessing Body proportion: Documentation and interpretation                  | 1     |  |  |  |  |  |  |  |
|         | ix.) Observation of Gait and its Assessment& documentation  | 1     |  |  |  |  |  |  |  |
|         | x.) Observation of Decubitus and its assessment& documentation  |       |  |  |  |  |  |  |  |
|         | xi.) Ear examination and its documentation and interpretation   |       |  |  |  |  |  |  |  |
|         | xii.) Nose examination and its documentation and interpretation   | 3     |  |  |  |  |  |  |  |
|         | xiii.) Throat examination and its documentation and interpretation  |       |  |  |  |  |  |  |  |
|         | xiv.) Eye examination and its documentation and interpretation  |       |  |  |  |  |  |  |  |
|         | xv.) Face examination and its documentation and interpretation  |       |  |  |  |  |  |  |  |
|         | xvi.) Mouth examination and its documentation and interpretation  |       |  |  |  |  |  |  |  |
|         | xvii.) Lymph Nodes examination at different sites and documentation and interpretation                                    |       |  |  |  |  |  |  |  |
|         | xviii.) Nails examination and its documentation and interpretation  | 3     |  |  |  |  |  |  |  |
|         | xix.) Skin examination and its documentation and interpretation   |       |  |  |  |  |  |  |  |
| 4       | Case Based / Problem Based Discussion on any of the following topic to be conducted [as per                               |       |  |  |  |  |  |  |  |
|         | availability of the case material or patient]   |       |  |  |  |  |  |  |  |
|         | <ul> <li>a) Approach to Case of Fever with any system presenting symptoms [GIT / RS / Skin / Renal / MSS etc.]</li> </ul> |       |  |  |  |  |  |  |  |
|         | b) Approach to Case presenting with Neurological Symptoms   | 4     |  |  |  |  |  |  |  |
|         | c) Approach to Case presenting with Circulatory and / or Respiratory Symptoms   |       |  |  |  |  |  |  |  |
|         | d) Approach to Case presenting with Abdominal/GIT Symptoms  |       |  |  |  |  |  |  |  |
|         | e) Approach to Case presenting with Renal and Urinary Tract symptoms  |       |  |  |  |  |  |  |  |
|         | f) Approach to Case presenting with Haematological symptoms   |       |  |  |  |  |  |  |  |
|         | g) Approach to Case presenting with psychological symptoms  |       |  |  |  |  |  |  |  |

### 6. Content mapping (competencies tables)

6.1. Competency tables for clinico-pathological evaluation of common signs and symptoms with miasmatic integration: 6.1.1. Pain-

| Sl. No                | Domain               | Millers | Content  | SLO   | Blooms                          | Priority - | T-L                                 | Asses                         | sment     | Integration            |
|-----------------------|----------------------|---------|--|---|---------------------------------|------------|-------------------------------------|-------------------------------|-----------|------------------------|
|                       | of<br>Compete<br>ncy | Level:  |  |   | Domain/<br>Guilbert<br>'s Level |            | Metho<br>ds                         | Formative                     | Summative |                        |
| HomU<br>G-PM<br>I.1.1 | K&S                  | K       | Define pain and<br>its types                       | <ol> <li>Define pain<br/>and</li> <li>Differentiate<br/>between acute<br/>and chronic pain</li> </ol>     | C1                              | МК         | Lecture,<br>Group<br>discussi<br>on | Quiz,<br>Written<br>test, MCQ | SAQ, MCQ  | Anatomy,<br>Physiology |
| HomU<br>G-PM<br>I.1.2 |                      | КН      | Differentiate<br>between types of<br>pain          | Differentiate<br>between<br>nociceptive,<br>neuropathic, and<br>inflammatory<br>pain                      | C2                              | МК         | Lecture,<br>Group<br>discussi<br>on | Quiz,<br>Written<br>test, MCQ | SAQ, MCQ  | Anatomy,<br>Physiology |
| HomU<br>G-PM<br>I.1.3 |                      |         | Role of<br>inflammation in<br>pain                 | Describe how<br>inflammation<br>contributes to<br>pain sensation<br>and<br>hypersensitivity               | C2                              | МК         | Lecture,<br>Group<br>discussi<br>on | Quiz,<br>Written<br>test, MCQ | SAQ, MCQ  | Anatomy,<br>Physiology |
| HomU<br>G-PM<br>I.1.4 |                      | K       | Define chest<br>discomfort and<br>its significance | <ol> <li>define chest<br/>discomfort and</li> <li>explain its<br/>importance in<br/>diagnosing</li> </ol> | C1                              | МК         | Lecture,<br>Group<br>discussi<br>on | Quiz,<br>Written<br>test, MCQ | SAQ, MCQ  | Anatomy,<br>Physiology |

|                       |    |   | various<br>conditions   |    |              |                                     |                               |          |                        |
|-----------------------|----|---|---|----|--------------|-------------------------------------|-------------------------------|----------|------------------------|
| HomU<br>G-PM<br>I.1.5 | KH | Describe the<br>common causes<br>of chest<br>discomfort     | Describe the<br>common<br>etiologies of<br>chest<br>discomfort, such<br>as angina,<br>heartburn, and<br>musculoskeletal<br>pain | C2 | МК           | Lecture,<br>Group<br>discussi<br>on | Quiz,<br>Written<br>test, MCQ | SAQ, MCQ | Anatomy,<br>Physiology |
| HomU<br>G-PM<br>I.1.6 | K  | Define<br>abdominal<br>discomfort and<br>its significance   | 1.Defineabdominaldiscomfortand2.Explainitsimportanceindiagnosingvariousconditions   | C1 | МК           | Lecture,<br>Group<br>discussi<br>on | Quiz,<br>Written<br>test, MCQ | SAQ, MCQ | Anatomy,<br>Physiology |
| HomU<br>G-PM<br>I.1.7 | KH | Describe the<br>common causes<br>of abdominal<br>discomfort | Describe the<br>common<br>etiologies of<br>abdominal<br>discomfort, such<br>as gastritis,<br>appendicitis, and<br>constipation  | C2 | Must<br>Know | Lecture,<br>Group<br>discussi<br>on | Quiz,<br>Written<br>test, MCQ | SAQ, MCQ | Anatomy,<br>Physiology |

| HomU<br>G-PM<br>I.1.8  | K  | Define headache<br>and its types                          | 1. define<br>headache and<br>2. differentiate<br>between primary<br>and secondary   | C1 | МК | Lecture,<br>Group<br>discussi<br>on | Quiz,<br>Written<br>test, MCQ | SAQ, MCQ | Anatomy,<br>Physiology |
|------------------------|----|---|---|----|----|-------------------------------------|-------------------------------|----------|------------------------|
| HomU<br>G-PM<br>I.1.9  | КН | Describe the<br>common causes<br>of headache              | headaches<br>Describe the<br>common<br>etiologies of<br>headache, such<br>as tension-type<br>headache,<br>migraine, and<br>cluster headache | C2 | МК | Lecture,<br>Group<br>discussi<br>on | Quiz,<br>Written<br>test, MCQ | SAQ, MCQ | Anatomy,<br>Physiology |
| HomU<br>G-PM<br>I.1.10 | K  | Define back and<br>neck pain and<br>their types           | 1. define back<br>and neck pain<br>and 2.<br>differentiate<br>between<br>mechanical and<br>non-mechanical<br>causes                         | C1 | МК | Lecture,<br>Group<br>discussi<br>on | Quiz,<br>Written test         | SAQ, MCQ | Anatomy,<br>Physiology |
| HomU<br>G-PM<br>I.1.11 | KH | Describe the<br>common causes<br>of back and neck<br>pain | Describe the<br>common<br>etiologies of<br>back and neck<br>pain, such as<br>muscle strain,<br>disc herniation,<br>and<br>osteoarthritis    | C2 | МК | Lecture,<br>Group<br>discussi<br>on | Quiz,<br>Written test         | SAQ, MCQ | Anatomy,<br>Physiology |

| HomU<br>G-PM<br>I.1.12 | НО | K  | Define the<br>principles of<br>homoeopathic<br>management of<br>pain   | define<br>homoeopathic<br>principles for<br>pain<br>management,<br>emphasizing 1.<br>individualizatio<br>n and 2. similars | C1 | МК           | Lecture,<br>Group<br>discussi<br>on | Quiz,<br>Written<br>test, MCQ | SAQ, MCQ                                 | Organon and<br>Homoeopathic<br>Philosophy |
|------------------------|----|----|--|--|----|--------------|-------------------------------------|-------------------------------|--|---|
| HomU<br>G-PM<br>I.1.13 |    | КН | Describe the<br>concept of the<br>simillimum in<br>homoeopathy         | Describe how<br>remedies are<br>selected based<br>on symptom<br>similarity in pain<br>management                           | C2 | МК           | Lecture,<br>Group<br>discussi<br>on | Quiz,<br>Written<br>test, MCQ | SAQ, MCQ                                 | Organon and<br>Homoeopathic<br>Philosophy |
| HomU<br>G-PM<br>I.1.14 |    |    | Explain the role<br>of repertories in<br>homoeopathic<br>prescribing   | Discuss<br>repertory usage<br>to find the most<br>suitable remedy<br>for pain  | C2 | МК           | Lecture,<br>Group<br>discussi<br>on | Quiz,<br>Written<br>test, MCQ | SAQ, MCQ                                 | Repertory                                 |
| HomU<br>G-PM<br>I.1.15 |    | SH | Demonstrate the<br>process of<br>selecting a<br>homoeopathic<br>remedy | Demonstrate<br>remedy selection<br>based on totality<br>symptoms in<br>case of pain  | P2 | МК           | Case<br>studies                     | OSCE,<br>Practical<br>exam    | Bedside<br>examinatio<br>n, Viva<br>voce | Materia<br>Medica                         |
| HomU<br>G-PM<br>I.1.16 |    | КН | Explain the<br>principles of<br>case<br>management in<br>homoeopathy   | Discuss<br>posology in pain<br>treatment   | C2 | Must<br>Know | Lecture,<br>Group<br>discussi<br>on | Quiz,<br>Written<br>test, MCQ | SAQ, MCQ                                 | Organon,<br>Homoeopthic<br>Pharmacy       |

| 6.1.2   | . Fever- |         |                    |                    |          |        |          |               |            |               |
|---------|----------|---------|--------------------|--------------------|----------|--------|----------|---------------|------------|---------------|
| Sl. No. | Domain   | Millers | Content            | SLO                | Blooms   | Priori | T-L      | Asses         | sment      | Integration   |
|         | of       | Level   |                    |                    | Domain/  | ty -   | Metho    | F             | S          |               |
|         | Compete  |         |                    |                    | Guilbert |        | ds       |               |            |               |
|         | ncy      |         |                    |                    | 's Level |        |          |               |            |               |
| HomU    | K&S      | Κ       | Define fever and   | Define fever and   | C1       | MK     | Lecture, | Quiz,         |            | Physiology,   |
| G-PM    |          |         | its significance   | explain its role   |          |        | Group    | Written test  |            | Pathology     |
| I.2.1   |          |         |                    | in the body's      |          |        | discussi |               |            |               |
|         |          |         |                    | immune             |          |        | on       |               |            |               |
|         |          |         |                    | response           |          |        |          |               |            |               |
| HomU    |          | KH      | Describe the       | Describe           | C2       | MK     | Lecture, | Quiz,         |            | Physiology,   |
| G-PM    |          |         | types of fever     | different types of |          |        | Group    | Written test  |            | Pathology     |
| I.2.2   |          |         | and their          | fever, such as     |          |        | discussi |               |            |               |
|         |          |         | characteristics    | intermittent and   |          |        | on       |               |            |               |
|         |          |         |                    | continuous         |          |        |          |               |            |               |
| HomU    |          |         | Explain the        | Explain the        | C2       | MK     | Lecture, | Quiz,         |            | Microbiology, |
| G-PM    |          |         | causes of fever    | causes of fever,   |          |        | Group    | Written test  |            | Immunology    |
| I.2.3   |          |         |                    | including          |          |        | discussi |               |            |               |
|         |          |         |                    | infection and      |          |        | on       |               |            |               |
|         |          |         |                    | inflammation       |          |        |          |               |            |               |
| HomU    |          | K       | Define the         | Explain the        | C1       | MK     | Lecture, | Structured    | Theory and | Internal      |
| G-PM    |          |         | different types of | characteristics    |          |        | Small    | Oral          | Viva voce  | Medicine,     |
| I.2.4   |          |         | fever (e.g.,       | and patterns of    |          |        | group    | Examinatio    |            | Infectious    |
|         |          |         | intermittent,      | different types of |          |        | discussi | n, Tutorials, |            | Diseases      |
|         |          |         | remittent,         | fever.             |          |        | on       | Assignment    |            |               |
|         |          |         | continuous,        |                    |          |        |          | s, MCQs       |            |               |
|         |          |         | relapsing).        |                    |          |        |          |               |            |               |

| HomU<br>G-PM          | K | KH Describe the etiology of each  | Explain the underlying   | C2 | МК | Lecture,<br>Small                            | Structured<br>Oral   | Theory and<br>Viva voce | Internal<br>Medicine,   |
|-----------------------|---|---|--|----|----|--|--|-------------------------|---|
| I.2.5                 |   | type of fever.  | causes of<br>intermittent,<br>remittent,<br>continuous, and<br>relapsing fevers.                       |    |    | group<br>discussi<br>on                      | Examinatio<br>n, Tutorials,<br>Assignment<br>s, MCQs                       |                         | Infectious<br>Diseases  |
| HomU<br>G-PM<br>I.2.6 |   | Discuss the<br>clinical<br>manifestations<br>and symptoms<br>associated with<br>each type of<br>fever.                                      | Identify the<br>clinical features<br>and<br>presentations of<br>intermittent,                          | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Structured<br>Oral<br>Examinatio<br>n, Tutorials,<br>Assignment<br>s, MCQs | Theory and<br>Viva voce | Internal<br>Medicine,<br>Infectious<br>Diseases                 |
| HomU<br>G-PM<br>I.2.7 | H | K Define fever<br>with rash.  | Explain the<br>clinical<br>presentation of<br>fever<br>accompanied by<br>a rash.                       | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Structured<br>Oral<br>Examinatio<br>n, Tutorials,<br>Assignment<br>s, MCQs | Theory and<br>Viva voce | Internal<br>Medicine,<br>Infectious<br>Diseases,<br>Dermatology |
| HomU<br>G-PM<br>I.2.8 | F | K Identify the<br>common causes<br>of fever with<br>rash (e.g., viral<br>infections,<br>bacterial<br>infections,<br>allergic<br>reactions). | Describe the<br>etiological<br>factors<br>contributing to<br>the development<br>of fever with<br>rash. | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Structured<br>Oral<br>Examinatio<br>n, Tutorials,<br>Assignment<br>s, MCQs | Theory and<br>Viva voce | Internal<br>Medicine,<br>Infectious<br>Diseases,<br>Dermatology |

| HomU<br>G-PM<br>I.2.9  | КН | Discuss the<br>differential<br>diagnosis of<br>fever with rash. | Explain the<br>process of<br>differentiating<br>between various<br>infectious and<br>non-infectious<br>causes of fever<br>with rash. | C2 | Must<br>Know | Lecture,<br>Small<br>group<br>discussi<br>on | Structured<br>Oral<br>Examinatio<br>n, Tutorials,<br>Assignment<br>s, MCQs | Theory and<br>Viva voce | Internal<br>Medicine,<br>Infectious<br>Diseases,<br>Dermatology |
|------------------------|----|---|--|----|--------------|--|--|-------------------------|---|
| HomU<br>G-PM<br>I.2.10 | K  | Define Fever of<br>Unknown Origin<br>(FUO).                     | Explain the criteria/definitio n of FUO.   | C1 | МК           | Lecture,<br>Small<br>group<br>discussi<br>on | Structured<br>Oral<br>Examinatio<br>n, Tutorials,<br>Assignment<br>s, MCQs | Theory and<br>Viva voce | Internal<br>Medicine,<br>Infectious<br>Diseases                 |
| HomU<br>G-PM<br>I.2.11 | КН | Discuss the<br>etiology and<br>pathophysiology<br>of FUO.       | Describe the<br>possible causes<br>and underlying<br>mechanisms of<br>FUO.   | C2 | МК           | Lecture,<br>Small<br>group<br>discussi<br>on | Structured<br>Oral<br>Examinatio<br>n, Tutorials,<br>Assignment<br>s, MCQs | Theory and<br>Viva voce | Internal<br>Medicine,<br>Infectious<br>Diseases                 |
| HomU<br>G-PM<br>I.2.12 |    | Identify the<br>diagnostic<br>approach to<br>FUO.               | Explain the<br>stepwise<br>approach to<br>diagnosing and<br>investigating<br>FUO.  | C2 | МК           | Lecture,<br>Small<br>group<br>discussi<br>on | Structured<br>Oral<br>Examinatio<br>n, Tutorials,<br>Assignment<br>s, MCQs | Theory and<br>Viva voce | Internal<br>Medicine,<br>Infectious<br>Diseases                 |
| HomU<br>G-PM<br>I.2.13 |    | Discuss the<br>differential<br>diagnosis of<br>FUO.             | Explain how to<br>differentiate<br>between various<br>causes of FUO.   | C2 | МК           | Lecture,<br>Small<br>group<br>discussi<br>on | Structured<br>Oral<br>Examinatio<br>n, Tutorials,<br>Assignment<br>s, MCQs | Theory and<br>Viva voce | Internal<br>Medicine,<br>Infectious<br>Diseases                 |

| HomU<br>G-PM<br>I.2.14 |    | Describe the<br>management<br>strategies for<br>FUO.                          | ExplainthetreatmentoptionsandapproachesforpatientsFUO. | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Structured<br>Oral<br>Examinatio<br>n, Tutorials,<br>Assignment<br>s, MCQs | Theory and<br>Viva voce | Internal<br>Medicine,<br>Infectious<br>Diseases |
|------------------------|----|---|--|----|----|--|--|-------------------------|---|
| HomU<br>G-PM<br>I.2.15 | K  | Describe the fever totality.  | Define how to<br>erect a fever<br>totality             | C1 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Totorials,<br>Asignments   |                         | Organon,<br>Repertory                           |
| HomU<br>G-PM<br>I.2.16 | KH | Discuss the<br>characteristic<br>indications of<br>various<br>indicated drugs | List the PQRS<br>symptoms of a<br>drug in Fever        | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Structured<br>Oral<br>Examinatio<br>n, Tutorials,<br>Assignment<br>s, MCQs | Theory &<br>Viva voce   | Materia<br>Medica                               |

# 6.1.3. Neurological Symptoms-

| Sl. No.               | Domain               | Millers | Content   | SLO  | Blooms                          | Priori | T-L  | Asses  | sment        | Integration                          |
|-----------------------|----------------------|---------|---|--|---------------------------------|--------|--|--|--------------|--------------------------------------|
|                       | of<br>Compete<br>ncy | Level   |   |  | Domain/<br>Guilbert<br>'s Level | ty -   | Metho<br>ds                                  | F  | S            |                                      |
| HomU<br>G-PM<br>I.3.1 | K&S                  | K       | Define the<br>pathophysiology<br>of neurological<br>symptoms (e.g.,<br>weakness,<br>numbness,<br>tingling). | Explain the<br>underlying<br>mechanisms that<br>lead to<br>neurological<br>symptoms.   | C2                              | МК     | Lecture,<br>Small<br>group<br>discussi<br>on | Structured<br>Oral<br>Examinatio<br>n, Tutorials,<br>Assignment<br>s, MCQs | MCQs         | Anatomy,<br>Physiology,<br>Neurology |
| HomU<br>G-PM<br>I.3.2 |                      | КН      | Describe the<br>neuroanatomical<br>basis of common<br>neurological<br>symptoms.                             | Explain how<br>specific<br>neurological<br>structures are<br>involved in<br>producing<br>symptoms such<br>as weakness or<br>sensory changes. | C2                              | МК     | Lecture,<br>Small<br>group<br>discussi<br>on | Structured<br>Oral<br>Examinatio<br>n, Tutorials,<br>Assignment<br>s, MCQs | SAQ,<br>MCQs | Anatomy,<br>Physiology,<br>Neurology |
| HomU<br>G-PM<br>I.3.3 |                      |         | Discuss the<br>pathophysiologi<br>cal processes<br>underlying<br>various<br>neurological<br>conditions.     | Explain how<br>different<br>diseases and<br>disorders affect<br>the nervous<br>system to<br>produce specific<br>symptoms.                    | C2                              | МК     | Lecture,<br>Small<br>group<br>discussi<br>on | Structured<br>Oral<br>Examinatio<br>n, Tutorials,<br>Assignment<br>s, MCQs | SAQ,<br>MCQs | Physiology,<br>Pathology             |

| HomU<br>G-PM          |     |    | Identify the role of   | Explain how alterations in   | C2 | MK | Lecture,<br>Small                            | Structured<br>Oral   | SAQ,<br>MCQs           | Physiology,<br>Pathology |
|-----------------------|-----|----|--|--|----|----|--|--|------------------------|--------------------------|
| I.3.4                 |     |    | neurotransmitter<br>s and receptors<br>in neurological<br>symptoms.  | neurotransmissi<br>on can lead to<br>neurological<br>symptoms.   |    |    | group<br>discussi<br>on                      | Examinatio<br>n, Tutorials,<br>Assignment<br>s, MCQs                       |                        |                          |
| HomU<br>G-PM<br>I.3.5 | K&S | КН | Define the<br>principles of<br>management for<br>neurological<br>symptoms.   | Explain the basic<br>approaches to<br>managing<br>common<br>neurological<br>symptoms.  | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Structured<br>Oral<br>Examinatio<br>n, Tutorials,<br>Assignment<br>s, MCQs | SAQ,<br>MCQs           | Physiology               |
| HomU<br>G-PM<br>I.3.6 |     | K  | Describe the<br>complete<br>symptom  | Define the<br>symptom under<br>LSMC  | C1 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Structured<br>Oral<br>Examinatio<br>n, Tutorials,<br>Assignment<br>s, MCQs | LAQ, SAQ,<br>Viva voce | Organon                  |
| HomU<br>G-PM<br>I.3.7 |     | S  | Demonstrate the<br>process of<br>selecting a<br>homoeopathic<br>remedy for<br>neurological<br>symptoms based<br>on totality of<br>symptoms | Student should<br>be able to<br>demonstrate<br>how to select a<br>homoeopathic<br>remedy based on<br>the totality of<br>symptoms in a<br>case of<br>neurological<br>symptoms | P2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Assignment<br>s, Tutorials   | SAQ,<br>MCQs           | Materia<br>medica        |

| HomU  | KH | Discuss the     | List the PQRS     | C1 | MK | Lecture, | Structured    | SAQ, Viva | Materia |
|-------|----|-----------------|-------------------|----|----|----------|---------------|-----------|---------|
| G-PM  |    | characteristic  | symptoms of a     |    |    | Small    | Oral          | voce      | medica  |
| I.3.8 |    | indications of  | drug in different |    |    | group    | Examinatio    |           |         |
|       |    | various         | Neurological      |    |    | discussi | n, Tutorials, |           |         |
|       |    | indicated drugs | symptoms          |    |    | on       | Assignment    |           |         |
|       |    |                 |                   |    |    |          | s, MCQs       |           |         |

# 6.1.4. Circulatory and Respiratory Dysfunctions

| Sl. No.               | Domain               | Millers | Content                                   | SLO  | Blooms                          | Priori | T-L  | Asse  | essment   | Integration |
|-----------------------|----------------------|---------|---|--|---------------------------------|--------|--|---|-----------|-------------|
|                       | of<br>Compete<br>ncy | Level   |   |  | Domain/<br>Guilbert<br>'s Level | ty -   | Meth<br>ods                                      | F   | S         |             |
| HomU<br>G-PM<br>I.4.1 | K&S                  | K       | Define<br>dyspnea.                        | Define dyspnea as<br>the sensation of<br>difficult or<br>uncomfortable<br>breathing, often<br>described as<br>shortness of<br>breath.              | C1                              | МК     | Lectur<br>e,<br>Small<br>group<br>discus<br>sion | Quizzes,<br>Peer<br>assessmen<br>t  | SAQ       | Physiology  |
| HomU<br>G-PM<br>I.4.2 |                      | KK      | Describe the<br>physiology of<br>dyspnea. | Explain the<br>physiological<br>mechanisms that<br>contribute to the<br>sensation of<br>dyspnea,<br>including neural<br>and mechanical<br>factors. | C2                              | МК     | Lectur<br>e,<br>Small<br>group<br>discus<br>sion | Structured<br>Oral<br>Examinati<br>on,<br>Tutorials,<br>Assignme<br>nts, MCQs | SAQ, MCQs | Physiology  |

| HomU<br>G-PM          |    | Discuss the etiology of   | Explain the various conditions   | C2 | MK | Lectur<br>e,                                     | Structured<br>Oral                                      | SAQ, MCQs   | Physiology,<br>Pathology |
|-----------------------|----|---|--|----|----|--|---|---|--------------------------|
| I.4.3                 |    | dyspnea.  | and diseases that<br>can cause<br>dyspnea, such as<br>respiratory<br>disorders,<br>cardiovascular<br>diseases, or<br>metabolic<br>conditions.                                  |    |    | Small<br>group<br>discus<br>sion                 | Examinati<br>on,<br>Tutorials,<br>Assignme<br>nts, MCQs |   |                          |
| HomU<br>G-PM<br>I.4.4 |    | Identify the<br>clinical<br>evaluation and<br>diagnostic<br>approach for<br>patients<br>presenting with<br>dyspnea. | Explain the steps<br>involved in<br>assessing and<br>diagnosing<br>patients with<br>dyspnea,<br>including history<br>taking, physical<br>examination, and<br>diagnostic tests. | C2 | МК | Lectur<br>e,<br>Small<br>group<br>discus<br>sion | Observati<br>ons,<br>Simulatio<br>ns                    | OSCE,<br>Bedside<br>examination   | Clinical<br>Medicine     |
| HomU<br>G-PM<br>I.4.5 | K  | Define cough.   | Define cough as a<br>protective reflex<br>that helps clear the<br>airways of mucus,<br>irritants, or<br>foreign particles.   | C1 | MK | Lectur<br>e,<br>Small<br>group<br>discus<br>sion | Quizzes,<br>Peer<br>assessmen<br>t                      | Written<br>examination,<br>Objective<br>Structured<br>Clinical<br>Examination<br>(OSCE) | Clinical<br>Medicne      |
| HomU<br>G-PM<br>I.4.6 | КН | Describe the<br>physiology of<br>cough.   | Explain the neural<br>and mechanical<br>processes<br>involved in the   | C2 | МК | Lectur<br>e,<br>Small<br>group                   | Case<br>studies,<br>Role-<br>playing                    | OSCE,<br>Practical<br>examination   | Clinical<br>Medicine     |

|                        |     |   |  | generation of a cough reflex.   |    |    | discus<br>sion                                   |   |   |                          |
|------------------------|-----|---|--|---|----|----|--|---|---|--------------------------|
| HomU<br>G-PM<br>I.4.7  |     |   | Discuss the different types of cough.                              | Explain the<br>characteristics and<br>classification of<br>cough, such as<br>acute, subacute, or<br>chronic.                                    | C2 | МК | Lectur<br>e,<br>Small<br>group<br>discus<br>sion | Problem-<br>based<br>learning           | MCQs,<br>Short-answer<br>questions                  | Pathology                |
| HomU<br>G-PM<br>I.4.8  |     |   | Identify the<br>common<br>causes of<br>cough.                      | Describe the<br>etiology and<br>pathophysiology<br>of cough,<br>including<br>respiratory<br>infections,<br>asthma, and<br>GERD.                 | C2 | МК | Lectur<br>e,<br>Small<br>group<br>discus<br>sion | Presentati<br>ons,<br>Group<br>projects | Written<br>examination,<br>Case-based<br>discussion | Physiology,<br>Pathology |
| HomU<br>G-PM<br>I.4.9  | K&S |   | Describe the<br>characteristics<br>of different<br>types of cough. | Explain the<br>differences<br>between dry, wet,<br>productive, and<br>non-productive<br>coughs, and their<br>potential<br>underlying<br>causes. | C2 | МК | Lectur<br>e,<br>Small<br>group<br>discus<br>sion | Quizzes,<br>Peer<br>assessmen<br>t      | Written<br>examination,<br>OSCE                     |                          |
| HomU<br>G-PM<br>I.4.10 |     | K | Define<br>hemoptysis.  | Define hemoptysis<br>as the expectoration<br>of blood that<br>originates from the<br>respiratory tract.   | C2 | МК | Lectur<br>e,<br>Small<br>group<br>discuss<br>ion | Quizzes,<br>Peer<br>assessmen<br>t      | Written<br>examination,<br>OSCE                     | Pathology                |

| HomU   |     | KH | Describe the    | Explain the       | C2 | MK | Lectur | Case      | OSCE,        | Pathology |
|--------|-----|----|-----------------|-------------------|----|----|--------|-----------|--------------|-----------|
| G-PM   |     |    | etiology of     | various causes of |    |    | е,     | studies,  | Practical    |           |
| I.4.11 |     |    | hemoptysis.     | hemoptysis,       |    |    | Small  | Role-     | examination  |           |
|        |     |    |                 | including         |    |    | group  | playing   |              |           |
|        |     |    |                 | respiratory       |    |    | discus |           |              |           |
|        |     |    |                 | infections,       |    |    | sion   |           |              |           |
|        |     |    |                 | pulmonary         |    |    |        |           |              |           |
|        |     |    |                 | embolism, and     |    |    |        |           |              |           |
|        |     |    |                 | lung cancer.      |    |    |        |           |              |           |
| HomU   |     |    | Discuss the     | Explain the steps | C2 | MK | Lectur | Observati | OSCE,        | Pathology |
| G-PM   |     |    | clinical        | involved in       |    |    | е,     | ons,      | Practical    |           |
| I.4.12 |     |    | evaluation and  | evaluating        |    |    | Small  | Simulatio | examination  |           |
|        |     |    | diagnostic      | patients with     |    |    | group  | ns        |              |           |
|        |     |    | approach for    | hemoptysis,       |    |    | discus |           |              |           |
|        |     |    | patients        | including history |    |    | sion   |           |              |           |
|        |     |    | presenting with | taking, physical  |    |    |        |           |              |           |
|        |     |    | hemoptysis.     | examination, and  |    |    |        |           |              |           |
|        |     |    |                 | diagnostic tests. |    |    |        |           |              |           |
| HomU   | K&S |    | Discuss the     | Explain the       | C2 | MK | Lectur | Problem-  | MCQs,        | Pathology |
| G-PM   |     |    | complications   | potential         |    |    | е,     | based     | Short-answer |           |
| I.4.13 |     |    | associated with | complications of  |    |    | Small  | learning, | questions    |           |
|        |     |    | hemoptysis.     | hemoptysis, such  |    |    | group  | Assignme  |              |           |
|        |     |    |                 | as respiratory    |    |    | discus | nts       |              |           |
|        |     |    |                 | compromise or     |    |    | sion   |           |              |           |
|        |     |    |                 | hemorrhagic       |    |    |        |           |              |           |
|        |     |    |                 | shock, and their  |    |    |        |           |              |           |
|        |     |    |                 | management.       |    |    |        |           |              |           |

| HomU<br>G-PM           | K  | Define hypoxia and cyanosis.                                    | Define hypoxia as<br>a condition  | C1 | МК | Lectur   | Quizzes         | Written<br>examination,                                      | Pulmonology,<br>Cardiology,                              |
|------------------------|----|---|---|----|----|--|-----------------|--|--|
| I.4.14                 |    |   | characterized by<br>insufficient<br>oxygen supply to<br>tissues and<br>cyanosis as a<br>bluish<br>discoloration of<br>the skin and<br>mucous<br>membranes due to<br>deoxygenated<br>hemoglobin. |    |    | e,<br>Small<br>group<br>discus<br>sion           |                 | Objective<br>Structured<br>Clinical<br>Examination<br>(OSCE) | Critical Care<br>Medicine                                |
| HomU<br>G-PM<br>I.4.15 | KH | Describe the<br>pathophysiolog<br>y of hypoxia<br>and cyanosis. | Explain the<br>mechanisms that<br>lead to hypoxia<br>and cyanosis,<br>including<br>impaired oxygen<br>delivery or<br>utilization.   | C2 | МК | Lectur<br>e,<br>Small<br>group<br>discus<br>sion | Case<br>studies | OSCE,<br>Practical<br>examination                            | Pulmonology,<br>Cardiology,<br>Critical Care<br>Medicine |
| HomU<br>G-PM<br>I.4.16 |    | Discuss the<br>common<br>causes of<br>hypoxia and<br>cyanosis.  | Explain the<br>various conditions<br>and diseases that<br>can manifest with<br>hypoxia and<br>cyanosis, such as<br>respiratory<br>disorders, cardiac<br>conditions, or<br>anemia.               | C2 | МК | Lectur<br>e,<br>Small<br>group<br>discus<br>sion | Case<br>studies | MCQs,<br>Short-answer<br>questions                           | Pulmonology,<br>Cardiology,<br>Critical Care<br>Medicine |

| HomU<br>G-PM<br>I.4.17 | PC |    | Discuss the<br>clinical<br>evaluation and<br>diagnostic<br>approach for<br>patients | Explain the steps<br>involved in<br>evaluating<br>patients with<br>hypoxia and<br>cyanosis,   | C2 | МК | Lectur<br>e,<br>Small<br>group<br>discus<br>sion | Tutorials,<br>Group<br>projects    | OSCE,<br>Practical<br>examination | Pulmonology,<br>Cardiology,<br>Critical Care<br>Medicine |
|------------------------|----|----|---|---|----|----|--|------------------------------------|-----------------------------------|--|
|                        |    |    | presenting with<br>hypoxia and<br>cyanosis.   | including history<br>taking, physical<br>examination, and<br>diagnostic tests.  |    |    |  |                                    |                                   |  |
| HomU<br>G-PM<br>I.4.18 |    | К  | Define edema.   | Define edema as<br>the accumulation<br>of excessive fluid<br>in the interstitial<br>spaces, leading to<br>swelling and<br>tissue<br>enlargement.                                    | C1 | МК | Lectur<br>e,<br>Small<br>group<br>discus<br>sion | Quizzes,<br>Peer<br>assessmen<br>t | SAQ                               | Cardiology,<br>Nephrology,<br>Internal<br>Medicine       |
| HomU<br>G-PM<br>I.4.19 |    | KH | Describe the<br>pathophysiolog<br>y of edema.                                       | Explain the<br>mechanisms<br>involved in the<br>development of<br>edema, including<br>changes in<br>hydrostatic<br>pressure, oncotic<br>pressure, and<br>capillary<br>permeability. | C2 | MK | Lectur<br>e,<br>Small<br>group<br>discus<br>sion | Case<br>studies,<br>MCQs           | LAQ, SAQ                          | Cardiology,<br>Nephrology,<br>Internal<br>Medicine       |

| HomU<br>G-PM           | Discuss the causes and                            | Explain the various factors  | C2 | MK | Lectur<br>e,                                     | Problem-<br>based   | MCQs, SAQ,<br>LAQ | Cardiology,<br>Nephrology,                         |
|------------------------|---|--|----|----|--|---|-------------------|--|
| I.4.20                 | classification<br>of edema.                       | that can lead to<br>edema, such as<br>heart failure,<br>kidney disease,<br>liver cirrhosis, and<br>venous<br>insufficiency.<br>Classify edema<br>based on its<br>location and<br>underlying cause. |    |    | Small<br>group<br>discus<br>sion                 | learning  |                   | Internal<br>Medicine                               |
| HomU<br>G-PM<br>I.4.21 | Describe the<br>pathophysiolog<br>y of edema.     | Explain the mechanisms that lead to the accumulation of fluid in tissues, including increased capillary permeability and impaired lymphatic drainage.  | C2 | МК | Lectur<br>e,<br>Small<br>group<br>discus<br>sion | Tutorials,<br>Assignme<br>nts                               | SAQ, LAQ          | Cardiology,<br>Nephrology,<br>Internal<br>Medicine |
| HomU<br>G-PM<br>I.4.22 | Identify the<br>clinical<br>features of<br>edema. | Describe the signs<br>and symptoms<br>associated with<br>edema, including<br>swelling, pitting,<br>and changes in<br>skin texture.   | C2 | МК | Lectur<br>e,<br>Small<br>group<br>discus<br>sion | Presentati<br>ons,<br>Group<br>projects,<br>Assignme<br>nts | SAQ, LAQ          | Cardiology,<br>Nephrology,<br>Internal<br>Medicine |

| <b>TT T</b> T | 17 | D.C            | DC                   | 01 | 1 417 | <b>.</b> |            | 0.4.0        | 0 1 1       |
|---------------|----|----------------|----------------------|----|-------|----------|------------|--------------|-------------|
| HomU          | K  | Define         | Define               | C1 | MK    | Lectur   | Quizzes    | SAQ          | Cardiology, |
| G-PM          |    | palpitations.  | palpitations as the  |    |       | e,       |            |              | Internal    |
| I.4.23        |    |                | sensation of a       |    |       | Small    |            |              | Medicine    |
|               |    |                | rapid, irregular, or |    |       | group    |            |              |             |
|               |    |                | forceful heartbeat   |    |       | discus   |            |              |             |
|               |    |                | that may be felt in  |    |       | sion     |            |              |             |
|               |    |                | the chest, throat,   |    |       |          |            |              |             |
|               |    |                | or neck.             |    |       |          |            |              |             |
| HomU          | KH | Describe the   | Explain the          | C2 | MK    | Lectur   | Assignme   | SAQ, MCQs    | Cardiology, |
| G-PM          |    | pathophysiolog | mechanisms that      |    |       | е,       | nts        |              | Internal    |
| I.4.24        |    | y of           | can lead to          |    |       | Small    |            |              | Medicine    |
|               |    | palpitations.  | palpitations,        |    |       | group    |            |              |             |
|               |    |                | including cardiac    |    |       | discus   |            |              |             |
|               |    |                | arrhythmias,         |    |       | sion     |            |              |             |
|               |    |                | structural heart     |    |       |          |            |              |             |
|               |    |                | disease, and         |    |       |          |            |              |             |
|               |    |                | stimulant use.       |    |       |          |            |              |             |
| HomU          |    | Discuss the    | Explain the          | C2 | MK    | Lectur   | Tutorials, | MCQs,        | Cardiology, |
| G-PM          |    | common         | various conditions   |    |       | е,       | Assignme   | Short-answer | Internal    |
| I.4.25        |    | causes of      | and factors that     |    |       | Small    | nts, MCQs  | questions    | Medicine    |
|               |    | palpitations.  | can cause            |    |       | group    |            |              |             |
|               |    |                | palpitations, such   |    |       | discus   |            |              |             |
|               |    |                | as atrial            |    |       | sion     |            |              |             |
|               |    |                | fibrillation,        |    |       |          |            |              |             |
|               |    |                | ventricular          |    |       |          |            |              |             |
|               |    |                | tachycardia,         |    |       |          |            |              |             |
|               |    |                | anxiety, and         |    |       |          |            |              |             |
|               |    |                | caffeine intake.     |    |       |          |            |              |             |

| HomU<br>G-PM<br>I.4.26 |    | Identify the<br>clinical<br>features of<br>palpitations.                     | Describe the signs<br>and symptoms<br>associated with<br>palpitations,<br>including<br>palpitations at<br>rest, palpitations<br>with exertion, and<br>associated | C2 | МК | Lectur<br>e,<br>Small<br>group<br>discus<br>sion | Tutorials,<br>Assignme<br>nts, MCQs | MCQs,<br>Short-answer<br>questions | Cardiology,<br>Internal<br>Medicine             |
|------------------------|----|--|--|----|----|--|-------------------------------------|------------------------------------|---|
| HomU<br>G-PM<br>I.4.27 | K  | Define the<br>principles of<br>homoeopathic<br>management                    | dizzinessorsyncope.Studentsshouldbe able todefinethebasicprinciplesof  | C1 | МК | Lectur<br>e,<br>Group<br>discus                  | Quiz,<br>Assignme<br>nts            | SAQ                                | Homoeopathic<br>Materia<br>Medica               |
| HomU<br>G-PM<br>I.4.28 | КН | Describe the concept of the simillimum in                                    | homoeopathic<br>treatment<br>Students should<br>be able to describe<br>how the selection   | C2 | МК | sion<br>Lectur<br>e,<br>Group                    | Quiz,<br>Assignme<br>nts            | SAQ                                | Homoeopathic<br>Materia<br>Medica               |
|                        |    | homoeopathy  | of the simillimum<br>is based on the<br>totality of<br>symptoms in<br>homoeopathic<br>treatment  |    |    | discus<br>sion                                   |                                     |                                    |   |
| HomU<br>G-PM<br>I.4.29 | SH | Demonstrate<br>the process of<br>selecting a<br>homoeopathic<br>remedy based | Students should<br>be able to<br>demonstrate how<br>to select a<br>homoeopathic<br>remedy based on   | C4 | МК | Case<br>studie<br>s                              | Quiz,<br>Assignme<br>nts            | SAQ                                | Homoeopathic<br>Materia<br>Medica,<br>Repertory |

|                        |    | on totality of symptoms  | the totality of symptoms   |    |    |   |                          |     |                                   |
|------------------------|----|--|--|----|----|---|--------------------------|-----|-----------------------------------|
| HomU<br>G-PM<br>I.4.30 | KH | Explain the<br>principles of<br>case<br>management in<br>homoeopathy | Students should<br>be able to discuss<br>the principles of<br>case management,<br>including the<br>importance of<br>follow-up and<br>potency selection | C5 | МК | Lectur<br>e,<br>Group<br>discus<br>sion | Quiz,<br>Assignme<br>nts | LAQ | Homoeopathic<br>Materia<br>Medica |

# 6.1.5. Abdominal/GIT Dysfunctions

| Sl.No. | Sl.No. Domain |       | Content          | SLO               | Blooms   | Priori | T-L      | Assessment |          | Integration   |
|--------|---------------|-------|------------------|-------------------|----------|--------|----------|------------|----------|---------------|
|        | of            | Level |                  |                   | Domain/  | ty -   | Metho    | F          | S        |               |
|        | Compete       |       |                  |                   | Guilbert |        | ds       |            |          |               |
|        | ncy           |       |                  |                   | 's Level |        |          |            |          |               |
| HomU   | K&S           | KH    | Describe the     | Explain how       | C2       | MK     | Lecture, | Quizzes,   | SAQ      | Pathology,    |
| G-PM   |               |       | common causes    | factors such as   |          |        | Small    | Peer       |          | Microbiology, |
| I.5.1  |               |       | of GIT           | diet, lifestyle,  |          |        | group    | assessmen  |          | PSM           |
|        |               |       | dysfunctions.    | stress, and       |          |        | discussi | t          |          |               |
|        |               |       |                  | genetics can      |          |        | on       |            |          |               |
|        |               |       |                  | contribute to the |          |        |          |            |          |               |
|        |               |       |                  | development of    |          |        |          |            |          |               |
|        |               |       |                  | GIT               |          |        |          |            |          |               |
|        |               |       |                  | dysfunctions.     |          |        |          |            |          |               |
| HomU   |               |       | Discuss the      | Explain how       | C2       | MK     | Lecture, | Case       | LAQ, SAQ | Physiology,   |
| G-PM   |               |       | pathophysiologic | disturbances in   |          |        | Small    | studies,   |          | Pathology     |
| I.5.2  |               |       | al mechanisms    | gastrointestinal  |          |        | group    | MCQ        |          |               |
|        |               |       | underlying GIT   | motility,         |          |        | discussi |            |          |               |
|        |               |       | dysfunctions.    | secretion, and    |          |        | on       |            |          |               |

|       | [] |                   | 1                      |    |       |                   |            |           | 1             |
|-------|----|-------------------|------------------------|----|-------|-------------------|------------|-----------|---------------|
|       |    |                   | absorption can         |    |       |                   |            |           |               |
|       |    |                   | lead to                |    |       |                   |            |           |               |
|       |    |                   | symptoms of            |    |       |                   |            |           |               |
|       |    |                   | GIT                    |    |       |                   |            |           |               |
|       |    |                   | dysfunctions.          |    |       |                   |            |           |               |
| HomU  |    | Identify the risk | Describe how           | C2 | DK    | Lecture,          | Problem-   | MCQs,     | Physiology,   |
| G-PM  |    | factors           | factors such as        |    |       | Small             | based      | Short-    | Pathology     |
| I.5.3 |    | associated with   | age, gender,           |    |       | group             | learning   | answer    |               |
|       |    | GIT               | diet, and              |    |       | discussi          | U          | questions |               |
|       |    | dysfunctions.     | medication use         |    |       | on                |            | 1         |               |
|       |    |                   | can increase the       |    |       |                   |            |           |               |
|       |    |                   | risk of                |    |       |                   |            |           |               |
|       |    |                   | developing GIT         |    |       |                   |            |           |               |
|       |    |                   | dysfunctions.          |    |       |                   |            |           |               |
| HomU  |    | Explain the role  | Describe how           | C2 | MK    | Lecture,          | MCQ,       | SAQ       | Pathology,    |
| G-PM  |    | of inflammation   | inflammatory           | 02 | 17111 | Small             | Assignme   | Sing      | Microbiology  |
| I.5.4 |    | in GIT            | processes can          |    |       | group             | nts        |           | wherebolology |
| 1.5.1 |    | dysfunctions.     | contribute to          |    |       | discussi          | nto        |           |               |
|       |    | dystunctions.     | conditions such        |    |       | on                |            |           |               |
|       |    |                   | as gastritis,          |    |       | OII               |            |           |               |
|       |    |                   | enteritis, and         |    |       |                   |            |           |               |
|       |    |                   | colitis.               |    |       |                   |            |           |               |
| HomU  |    | Discuss the role  | Explain how            | C2 | DK    | Lecture,          | Tutorials, | LAQ, SAQ  | Physiology,   |
| G-PM  |    | of the            | alterations in         | C2 | DK    | Small             |            | LAQ, SAQ  | Pathology     |
| I.5.5 |    | microbiome in     |                        |    |       |                   | Group      |           | ramology      |
| 1.3.3 |    | GIT health.       | the gut microbiome can |    |       | group<br>discussi | projects   |           |               |
|       |    | GIT neatth.       |                        |    |       |                   |            |           |               |
|       |    |                   | impact GIT             |    |       | on                |            |           |               |
|       |    |                   | function and           |    |       |                   |            |           |               |
|       |    |                   | contribute to the      |    |       |                   |            |           |               |
|       |    |                   | development of         |    |       |                   |            |           |               |
|       |    |                   | GIT                    |    |       |                   |            |           |               |
|       |    |                   | dysfunctions.          |    |       |                   |            |           |               |

| HomU  | Describe the      | Explain how                  | C2 | MK    | Lecture,          | Quizzes,  | LAQ, SAQ  | Physiology, |
|-------|-------------------|------------------------------|----|-------|-------------------|-----------|-----------|-------------|
| G-PM  | pathophysiology   | dysphagia can                |    |       | Small             | Peer      |           | Pathology   |
| I.5.6 | of dysphagia.     | result from                  |    |       | group             | assessmen |           |             |
|       |                   | structural                   |    |       | discussi          | t         |           |             |
|       |                   | abnormalities,               |    |       | on                |           |           |             |
|       |                   | neurological                 |    |       |                   |           |           |             |
|       |                   | disorders, or                |    |       |                   |           |           |             |
|       |                   | muscular                     |    |       |                   |           |           |             |
|       | <b>D</b> :        | dysfunction.                 |    |       |                   | 9         |           |             |
| HomU  | Discuss the       | Explain how                  | C2 | MK    | Lecture,          | Case      | SSQ       | Pathology   |
| G-PM  | common causes     | conditions such              |    |       | Small             | studies   |           |             |
| I.5.7 | of dysphagia.     | as esophageal                |    |       | group             |           |           |             |
|       |                   | strictures,                  |    |       | discussi          |           |           |             |
|       |                   | achalasia, and               |    |       | on                |           |           |             |
|       |                   | neurological<br>diseases can |    |       |                   |           |           |             |
|       |                   |                              |    |       |                   |           |           |             |
|       |                   | lead to dysphagia.           |    |       |                   |           |           |             |
| HomU  | Identify the key  | Describe how                 | C2 | MK    | Lecture,          | Problem-  | MCQs,     | Clinical    |
| G-PM  | symptoms and      | symptoms such                | C2 | IVIIX | Small             | based     | Short-    | medicine    |
| I.5.8 | clinical features | as difficulty                |    |       |                   | learning  | answer    | medicine    |
| 1.5.6 | of dysphagia.     | swallowing,                  |    |       | group<br>discussi | learning  | questions |             |
|       | or dyspitagia.    | pain with                    |    |       | on                |           | questions |             |
|       |                   | swallowing, and              |    |       | 011               |           |           |             |
|       |                   | regurgitation                |    |       |                   |           |           |             |
|       |                   | can help                     |    |       |                   |           |           |             |
|       |                   | diagnose                     |    |       |                   |           |           |             |
|       |                   | dysphagia.                   |    |       |                   |           |           |             |

| HomU<br>G-PM<br>I.5.9  | НО | Discuss the role<br>of homoeopathic<br>remedies in the<br>management of<br>dysphagia. | Explain how<br>remedies such<br>as Lachesis,<br>Phosphorus,<br>and Belladonna<br>can be used to   | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Assignme<br>nts                    | MCQs,<br>Short-<br>answer<br>questions | Homoeopathic<br>Materia<br>Medica |
|------------------------|----|---|---|----|----|--|------------------------------------|--|-----------------------------------|
|                        |    |   | treat symptoms of dysphagia.  |    |    |  |                                    |  |                                   |
| HomU<br>G-PM<br>I.5.11 |    | Describe the<br>pathophysiology<br>of nausea and<br>vomiting.                         | Explain how<br>various triggers,<br>such as<br>chemical<br>stimulation,<br>sensory input,<br>and central<br>nervous system<br>disorders, can<br>lead to nausea<br>and vomiting. | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Quizzes,<br>Peer<br>assessmen<br>t | MCQs,<br>Short-<br>answer<br>questions | Physiology,<br>Pathology          |
| HomU<br>G-PM<br>I.5.12 |    | Discuss the<br>common causes<br>of nausea and<br>vomiting.                            | Explain how<br>conditions such<br>as<br>gastroenteritis,<br>motion<br>sickness, and<br>pregnancy can<br>cause nausea<br>and vomiting.   | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Case<br>studies                    | MCQs,<br>Short-<br>answer<br>questions | Physiology,<br>Pathology          |

|        |     |                   |                  |    | 2 677 | 1-       | ~          | 1.600     |              |
|--------|-----|-------------------|------------------|----|-------|----------|------------|-----------|--------------|
| HomU   |     | Identify the key  | Describe how     | C2 | MK    | Lecture, | Case       | MCQs,     | Clinical     |
| G-PM   |     | symptoms and      | symptoms such    |    |       | Small    | studies    | Short-    | medicine     |
| I.5.13 |     | clinical features | as retching,     |    |       | group    |            | answer    |              |
|        |     | of nausea and     | hypersalivation, |    |       | discussi |            | questions |              |
|        |     | vomiting.         | and pallor can   |    |       | on       |            |           |              |
|        |     |                   | help diagnose    |    |       |          |            |           |              |
|        |     |                   | nausea and       |    |       |          |            |           |              |
|        |     |                   | vomiting.        |    |       |          |            |           |              |
| HomU   | НО  | Discuss the role  | Explain how      | C2 | MK    | Lecture, | Observati  | MCQs,     | Homoeopathic |
| G-PM   |     | of homoeopathic   | remedies such    |    |       | Small    | ons,       | Short-    | Materia      |
| I.5.14 |     | remedies in the   | as Ipecacuanha,  |    |       | group    | Assignme   | answer    | Medica       |
|        |     | management of     | Nux vomica,      |    |       | discussi | nts        | questions |              |
|        |     | nausea and        | and Cocculus     |    |       | on       |            |           |              |
|        |     | vomiting.         | indicus can be   |    |       |          |            |           |              |
|        |     |                   | used to treat    |    |       |          |            |           |              |
|        |     |                   | symptoms of      |    |       |          |            |           |              |
|        |     |                   | nausea and       |    |       |          |            |           |              |
|        |     |                   | vomiting.        |    |       |          |            |           |              |
| HomU   | K&S | Describe the      | Explain how      | C2 | DK    | Lecture, | Tutorials, | MCQs,     | Physiology   |
| G-PM   |     | importance of     | maintaining      |    |       | Small    | Group      | Short-    |              |
| I.5.15 |     | hydration and     | hydration and    |    |       | group    | projects   | answer    |              |
|        |     | dietary           | following a      |    |       | discussi | 1 5        | questions |              |
|        |     | modifications in  | bland diet can   |    |       | on       |            | 1         |              |
|        |     | the management    | help alleviate   |    |       |          |            |           |              |
|        |     | of nausea and     | symptoms of      |    |       |          |            |           |              |
|        |     | vomiting.         | nausea and       |    |       |          |            |           |              |
|        |     | C C               | vomiting.        |    |       |          |            |           |              |

| HomU   | Define diarrhea   | Define diarrhea   | C1 | MK | Lectu    | MCQ      | SAQ  | Physiology   |
|--------|-------------------|-------------------|----|----|----------|----------|------|--------------|
| G-PM   | and its           | as the passage    |    |    | re,      |          |      |              |
| I.5.16 | characteristics.  | of loose or       |    |    | Small    |          |      |              |
|        |                   | watery stools     |    |    | group    |          |      |              |
|        |                   | three or more     |    |    | discussi |          |      |              |
|        |                   | times a day,      |    |    | on       |          |      |              |
|        |                   | often             |    |    |          |          |      |              |
|        |                   | accompanied by    |    |    |          |          |      |              |
|        |                   | abdominal         |    |    |          |          |      |              |
|        |                   | cramping,         |    |    |          |          |      |              |
|        |                   | bloating, and     |    |    |          |          |      |              |
|        |                   | urgency.          |    |    |          |          |      |              |
| HomU   | Describe the      | Explain how       | C2 | MK | Lectu    | MCQ,     | LAQ, | Physiology.  |
| G-PM   | pathophysiology   | disturbances in   |    |    | re,      | Assignme | SAQ  | Pathology    |
| I.5.17 | of diarrhea.      | gastrointestinal  |    |    | Small    | nts      |      |              |
|        |                   | motility,         |    |    | group    |          |      |              |
|        |                   | secretion, and    |    |    | discussi |          |      |              |
|        |                   | absorption can    |    |    | on       |          |      |              |
|        |                   | lead to diarrhea. |    |    |          |          |      |              |
| HomU   | Discuss the       | Explain how       | C2 | MK | Lectu    | Case     | SAQ  | Pathology,   |
| G-PM   | common causes     | infections,       |    |    | re,      | studies  |      | Microbiology |
| I.5.18 | of diarrhea.      | dietary factors,  |    |    | Small    |          |      |              |
|        |                   | medications,      |    |    | group    |          |      |              |
|        |                   | and stress can    |    |    | discussi |          |      |              |
|        |                   | contribute to the |    |    | on       |          |      |              |
|        |                   | development of    |    |    |          |          |      |              |
|        |                   | diarrhea.         |    |    |          |          |      |              |
| HomU   | Identify the key  | Describe how      | C2 | MK | Lectu    | SAQ,     | LAQ, | Clinical     |
| G-PM   | symptoms and      | symptoms such     |    |    | re,      | LAQ      | SAQ  | medicine     |
| I.5.19 | clinical features | as loose stools,  |    |    | Small    |          |      |              |
|        | of diarrhea.      | abdominal         |    |    | group    |          |      |              |
|        |                   | cramping, and     |    |    |          |          |      |              |

|                        |     |  | dehydration can<br>help diagnose<br>diarrhea.   |    |    | discussi<br>on                                   |                                    |  |                                   |
|------------------------|-----|--|---|----|----|--|------------------------------------|--|-----------------------------------|
| HomU<br>G-PM<br>I.5.20 | НО  | Discuss the role<br>of homoeopathic<br>remedies in the<br>management of<br>diarrhea.                         | Explain how<br>remedies such as<br>Podophyllum,<br>Arsenicum<br>album, and<br>Chamomilla can<br>be used to treat<br>symptoms of<br>diarrhea.                        | C2 | МК | Lectu<br>re,<br>Small<br>group<br>discussi<br>on | Assign<br>ments,<br>MCQ            | MCQs,<br>Short-<br>answer<br>questions | Homoeopathic<br>Materia<br>Medica |
| HomU<br>G-PM<br>I.5.21 | K&S | Describe the<br>importance of<br>fluid and<br>electrolyte<br>management in<br>the management<br>of diarrhea. | Explain how<br>maintaining<br>hydration and<br>electrolyte<br>balance is<br>crucial in the<br>treatment of<br>diarrhea.   | C2 | МК | Lectu<br>re,<br>Small<br>group<br>discussi<br>on | Tutorial<br>s, Goup<br>projects    | LAQ,<br>SAQ                            | Physiology                        |
| HomU<br>G-PM<br>I.5.22 |     | Define<br>constipation and<br>its<br>characteristics.  | Define<br>constipation as<br>infrequent<br>bowel<br>movements or<br>difficulty<br>passing stools,<br>often associated<br>with hard, dry<br>stools and<br>straining. | C1 | МК | Lecture,<br>Small<br>group<br>discussi<br>on     | Quizzes,<br>Peer<br>assessmen<br>t | SAQ                                    | Physiology                        |

| HomU                   | Describe the  | Explain how  | C2 | МК | Lecture,                                     | Tutorials,                    | LAQ, SAQ                               | Physiology           |
|------------------------|---|--|----|----|--|-------------------------------|--|----------------------|
| G-PM<br>I.5.23         | pathophysiology<br>of constipation.                                       | factors such as<br>slow colonic<br>transit, pelvic<br>floor<br>dysfunction,<br>and lifestyle<br>factors can<br>contribute to   |    |    | Small<br>group<br>discussi<br>on             | Group<br>projects             |  |                      |
| HomU<br>G-PM<br>I.5.24 | Discuss the<br>common causes<br>of constipation.                          | constipation.<br>Explain how<br>factors such as<br>inadequate<br>dietary fiber,<br>dehydration,<br>sedentary<br>lifestyle, and<br>certain<br>medications can<br>cause<br>constipation. | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Tutorials,<br>Assignme<br>nts | MCQs,<br>Short-<br>answer<br>questions | Physiology           |
| HomU<br>G-PM<br>I.5.25 | Identify the key<br>symptoms and<br>clinical features<br>of constipation. | Describe how<br>symptoms such<br>as straining,<br>lumpy or hard<br>stools, and a<br>feeling of<br>incomplete<br>evacuation can<br>help diagnose<br>constipation.                       | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | MCQ,<br>Assignme<br>nts       | MCQs,<br>Short-<br>answer<br>questions | Clinical<br>medicine |

| HomU<br>G-PM<br>I.5.26 | НО  | Discuss the role<br>of homoeopathic<br>remedies in the<br>management of<br>constipation.             | Explain how<br>remedies such<br>as Bryonia, Nux<br>vomica, and<br>Lycopodium<br>can be used to<br>treat symptoms<br>of constipation.        | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Observati<br>ons                   | MCQs,<br>Short-<br>answer<br>questions | Homoeopathic<br>Materia<br>Medica |
|------------------------|-----|--|---|----|----|--|------------------------------------|--|-----------------------------------|
| HomU<br>G-PM<br>I.5.27 | K&S | Describe the<br>importance of<br>lifestyle<br>modifications in<br>the management<br>of constipation. | Explain how<br>dietary changes,<br>increased<br>physical<br>activity, and<br>regular bowel<br>habits can help<br>alleviate<br>constipation. | C2 | DK | Lecture,<br>Small<br>group<br>discussi<br>on | Tutorials,<br>Assignme<br>nts      | LAQ, SAQ                               | Physiology                        |
| HomU<br>G-PM<br>I.5.28 |     | Define dysentery<br>and its<br>characteristics.  | Define<br>dysentery as a<br>type of diarrhea<br>that contains<br>blood or mucus,<br>often<br>accompanied by<br>abdominal pain<br>and fever. | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Quizzes,<br>Peer<br>assessmen<br>t | SAQ                                    | Physiology                        |
| HomU<br>G-PM<br>I.5.29 |     | Describe the<br>pathophysiology<br>of dysentery.   | Explain how<br>infections,<br>particularly<br>bacterial and<br>parasitic, can<br>lead to  | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Tutorials,<br>Assignme<br>nts      | LAQ, SAQ                               | Pathology                         |

| <u>г</u> |    |                   | :                              |    |      | 1        |           |   | 1            |
|----------|----|-------------------|--------------------------------|----|------|----------|-----------|---|--------------|
|          |    |                   | inflammation of the intestines |    |      |          |           |   |              |
|          |    |                   | and the                        |    |      |          |           |   |              |
|          |    |                   | characteristic                 |    |      |          |           |   |              |
|          |    |                   | symptoms of                    |    |      |          |           |   |              |
|          |    |                   | dysentery.                     |    |      |          |           |   |              |
| HomU     |    | Discuss the       | Explain how                    | C2 | MK   | Lecture, | Case      | SAQ                                     | Pathology    |
| G-PM     |    | common causes     | pathogens such                 |    |      | Small    | studies   | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 1 401101085  |
| I.5.30   |    | of dysentery.     | as Shigella,                   |    |      | group    |           |   |              |
|          |    |                   | Salmonella, and                |    |      | discussi |           |   |              |
|          |    |                   | Entamoeba                      |    |      | on       |           |   |              |
|          |    |                   | histolytica can                |    |      |          |           |   |              |
|          |    |                   | cause                          |    |      |          |           |   |              |
|          |    |                   | dysentery.                     |    |      |          |           |   |              |
| HomU     |    | Identify the key  | Describe how                   | C2 | MK   | Lecture, | Problem-  | MCQs,                                   | Clinical     |
| G-PM     |    | symptoms and      | symptoms such                  |    |      | Small    | based     | Short-                                  | medicine     |
| I.5.31   |    | clinical features | as bloody                      |    |      | group    | learning  | answer                                  |              |
|          |    | of dysentery.     | diarrhea,                      |    |      | discussi |           | questions                               |              |
|          |    |                   | abdominal                      |    |      | on       |           |   |              |
|          |    |                   | cramps, and                    |    |      |          |           |   |              |
|          |    |                   | tenesmus can                   |    |      |          |           |   |              |
|          |    |                   | help diagnose                  |    |      |          |           |   |              |
| HomU     | НО | Discuss the role  | dysentery.<br>Explain how      | C2 | MK   | Lecture, | Observati | MCQs,                                   | Homoeopathic |
| G-PM     | no | of homoeopathic   | remedies such                  | C2 | WIIX | Small    | ons       | Short-                                  | Materia      |
| I.5.32   |    | remedies in the   | as Merc sol,                   |    |      | group    | 0115      | answer                                  | Medica       |
| 1.5.52   |    | management of     | Aloe socotrina,                |    |      | discussi |           | questions                               | Weater       |
|          |    | dysentery.        | and                            |    |      | on       |           | 4405410115                              |              |
|          |    |                   | Podophyllum                    |    |      |          |           |   |              |
|          |    |                   | can be used to                 |    |      |          |           |   |              |
|          |    |                   | treat symptoms                 |    |      |          |           |   |              |
|          |    |                   | of dysentery.                  |    |      |          |           |   |              |

| HomU<br>G-PM<br>I.5.33 | K&S | importance of<br>hydration and                                      | Explain how<br>maintaining<br>hydration and<br>electrolyte   | C2 | МК | Lecture,<br>Small<br>group<br>discussi       | Tutorials,<br>Assignme<br>nts      | LAQ, SAQ         | Physiology |
|------------------------|-----|---|--|----|----|--|------------------------------------|------------------|------------|
|                        |     | management in<br>the management<br>of dysentery.                    | balance is<br>crucial in the<br>treatment of<br>dysentery.   |    |    | on   |                                    |                  |            |
| HomU<br>G-PM<br>I.5.34 |     | Define<br>unintentional<br>weight loss and<br>its significance.     | Define<br>unintentional<br>weight loss as a<br>decrease in<br>body weight<br>that occurs<br>without<br>purposeful<br>dieting or<br>exercise, often<br>indicating an<br>underlying<br>health issue. | C1 | MK | Lecture,<br>Small<br>group<br>discussi<br>on | Quizzes,<br>Peer<br>assessmen<br>t | SAQ              | Physiology |
| HomU<br>G-PM<br>I.5.35 |     | Describe the<br>pathophysiology<br>of unintentional<br>weight loss. | Explain how<br>various factors,<br>such as<br>increased<br>metabolism,<br>reduced nutrient<br>absorption, and<br>chronic<br>inflammation,<br>can lead to<br>unintentional<br>weight loss.          | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Tutorials,<br>Assignme<br>nts      | LAQ, SAQ,<br>MCQ | Physiology |

| HomU<br>G-PM           |    | Discuss the common causes   | Explain how conditions such  | C2 | MK | Lecture,<br>Small                            | Case<br>studies               | SAQ                                    | Physiology,<br>Pathology          |
|------------------------|----|---|--|----|----|--|-------------------------------|--|-----------------------------------|
| I.5.36                 |    | of unintentional<br>weight loss.  | as cancer,<br>gastrointestinal<br>disorders,<br>hyperthyroidis<br>m, and<br>depression can<br>cause<br>unintentional<br>weight loss.   |    |    | group<br>discussi<br>on                      |                               |  |                                   |
| HomU<br>G-PM<br>I.5.37 |    | Identify the key<br>symptoms and<br>clinical features<br>associated with<br>unintentional<br>weight loss. | Describe how<br>symptoms such<br>as fatigue,<br>weakness, and<br>changes in<br>appetite can<br>help diagnose<br>unintentional<br>weight loss.  | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Problem-<br>based<br>learning | MCQs,<br>Short-<br>answer<br>questions | Clinical<br>medicine              |
| HomU<br>G-PM<br>I.5.38 | НО | Discuss the role<br>of homoeopathic<br>remedies in the<br>management of<br>unintentional<br>weight loss.  | Explain how<br>remedies such as<br>Calcareacarboni<br>ca, Natrum<br>muriaticum, and<br>Phosphorus can<br>be used to<br>address<br>underlying<br>causes of<br>unintentional<br>weight loss. | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Assignme<br>nts               | MCQs,<br>Short-<br>answer<br>questions | Homoeopathic<br>Materia<br>Medica |

| HomU<br>G-PM           | K&S | Describe the importance of a  | Explain how assessing   | C2 | DK | Lecture,<br>Small                            | Tutorials,<br>Assignme        | LAQ, SAQ                               | Clinical<br>medicine     |
|------------------------|-----|---|---|----|----|--|-------------------------------|--|--------------------------|
| G-PM<br>I.5.39         |     | importance of a<br>comprehensive<br>evaluation in the<br>management of<br>unintentional<br>weight loss. | medical history,<br>conducting<br>physical<br>examinations,<br>and performing<br>diagnostic tests<br>are essential in<br>identifying the<br>cause of<br>unintentional                                 |    |    | Small<br>group<br>discussi<br>on             | Assignme                      |  | medicine                 |
| HomU<br>G-PM<br>I.5.40 |     | Describe the<br>pathophysiology<br>of<br>gastrointestinal<br>bleeding                                   | weight loss.<br>Explain the<br>mechanisms by<br>which various<br>conditions, such<br>as peptic ulcers,<br>esophageal<br>varices, and<br>inflammatory<br>bowel disease,<br>can lead to GI<br>bleeding. | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Tutorials,<br>Assignme<br>nts | LAQ, SAQ                               | Pathology                |
| HomU<br>G-PM<br>I.5.41 |     | Discuss the risk<br>factors<br>associated with<br>GI bleeding   | Identify and<br>explain the risk<br>factors, such as<br>NSAID use,<br>alcohol<br>consumption,<br>and<br>coagulopathy,   | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Case<br>studies               | MCQs,<br>Short-<br>answer<br>questions | Physiology,<br>Pathology |

|                        |    |  | that can<br>predispose<br>individuals to<br>GI bleeding.   |    |    |  |                                      |  |                               |
|------------------------|----|--|--|----|----|--|--------------------------------------|--|-------------------------------|
| HomU<br>G-PM<br>I.5.42 |    | Explain the<br>clinical<br>presentation of<br>GI bleeding                                      | Describe the<br>signs and<br>symptoms, such<br>as hematemesis,<br>melena, and<br>hematochezia,<br>that are<br>indicative of GI<br>bleeding.                  | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Problem-<br>based<br>learning        | MCQs,<br>Short-<br>answer<br>questions | Clinical<br>medicine          |
| HomU<br>G-PM<br>I.5.43 | НО | Describe the<br>common<br>homoeopathic<br>remedies used in<br>the management<br>of GI bleeding | Explain the<br>indications for<br>remedies such<br>as Phosphorus,<br>Hamamelis, and<br>Ferrummetallic<br>um in treating<br>various causes<br>of GI bleeding. | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Case<br>studies                      | MCQs,<br>Short-<br>answer<br>questions | Homoeopathic<br>Tteria Medica |
| HomU<br>G-PM<br>I.5.44 |    | Explaintheconceptofmiasmaticprescribinginhomeopathy  | Describe how<br>miasmatic<br>factors are<br>considered in<br>chronic cases of<br>GI bleeding for<br>long-term<br>management.                                 | C2 | DK | Lecture,<br>Small<br>group<br>discussi<br>on | Observati<br>ons,<br>Simulatio<br>ns | SAQ                                    | Organon                       |

| HomU<br>G-PM           | Define jaundice<br>and its clinical            | Define jaundice<br>as the yellow  | C1 | МК | Lecture,<br>Small                            | Quizzes,<br>Peer                     | SAQ                                    | Physiology,<br>Pathology |
|------------------------|--|---|----|----|--|--------------------------------------|--|--------------------------|
| I.5.45                 | significance                                   | discoloration of<br>the skin and<br>mucous<br>membranes due<br>to elevated<br>bilirubin levels<br>and explain its<br>importance in<br>clinical<br>diagnosis.                |    |    | group<br>discussi<br>on                      | t                                    |  | Pathology                |
| HomU<br>G-PM<br>I.5.46 | Describe the<br>pathophysiology<br>of jaundice | Explain the<br>mechanisms of<br>hyperbilirubine<br>mia, including<br>hemolysis,<br>hepatocellular<br>dysfunction,<br>and biliary<br>obstruction,<br>leading to<br>jaundice. | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Case<br>studies,<br>Role-<br>playing | LAQ, SAQ                               | Physiology,<br>Surgery   |
| HomU<br>G-PM<br>I.5.47 | Discuss the<br>causes of<br>jaundice           | Identify and<br>explain the<br>various etiologies<br>of jaundice,<br>including viral<br>hepatitis,<br>alcoholic liver<br>disease, and<br>biliary tract<br>obstruction.      | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Problem-<br>based<br>learning        | MCQs,<br>Short-<br>answer<br>questions | Physiology,<br>Surgery   |

| HomU   |      | Eveloin the       | Describe the      | C2 | MV | Lastura  | Observati | MCQs,     | Clinical      |
|--------|------|-------------------|-------------------|----|----|----------|-----------|-----------|---------------|
|        |      | Explain the       |                   | C2 | MK | Lecture, |           |           |               |
| G-PM   |      | clinical features | signs and         |    |    | Small    | ons,      | Short-    | medicine      |
| I.5.48 |      | of jaundice       | symptoms of       |    |    | group    | Simulatio | answer    |               |
|        |      |                   | jaundice, such    |    |    | discussi | ns        | questions |               |
|        |      |                   | as yellowing of   |    |    | on       |           |           |               |
|        |      |                   | the skin, dark    |    |    |          |           |           |               |
|        |      |                   | urine, and pale   |    |    |          |           |           |               |
|        |      |                   | stools, and their |    |    |          |           |           |               |
|        |      |                   | significance in   |    |    |          |           |           |               |
|        |      |                   | diagnosis.        |    |    |          |           |           |               |
| HomU   | НО   | Describe the      | Explain the       | C2 | MK | Lecture, | Case      | MCQs,     | Homoeopathic  |
| G-PM   |      | common            | indications for   |    |    | Small    | studies,  | Short-    | Tteria Medica |
| I.5.49 |      | homoeopathic      | remedies such     |    |    | group    | Role-     | answer    |               |
|        |      | remedies used in  | as Chelidonium,   |    |    | discussi | playing   | questions |               |
|        |      | the management    | Lycopodium,       |    |    | on       | 1 2 0     | 1         |               |
|        |      | of jaundice       | and Natrum        |    |    |          |           |           |               |
|        |      |                   | sulphuricum in    |    |    |          |           |           |               |
|        |      |                   | treating          |    |    |          |           |           |               |
|        |      |                   | jaundice.         |    |    |          |           |           |               |
| HomU   | K&S  | Define ascites    | Define ascites    | C1 | MK | Lecture, | Quizzes,  | SAQ       | Anatomy,      |
| G-PM   | news | and its clinical  | as the abnormal   | 01 |    | Small    | Peer      | 2.1.2     | Physiology    |
| I.5.50 |      | significance      | accumulation of   |    |    | group    | assessmen |           | Thysiology    |
| 1.5.50 |      | significance      | fluid in the      |    |    | discussi | t         |           |               |
|        |      |                   | peritoneal        |    |    |          | l         |           |               |
|        |      |                   | -                 |    |    | on       |           |           |               |
|        |      |                   | cavity and its    |    |    |          |           |           |               |
|        |      |                   | importance in     |    |    |          |           |           |               |
|        |      |                   | clinical          |    |    |          |           |           |               |
|        |      |                   | diagnosis.        |    |    |          |           |           |               |

| HomU<br>G-PM           | Describe the pathophysiology                   | Explain the mechanisms of  | C2 | MK | Lecture,<br>Small                            | Case<br>studies,                     | LAQ, SAQ                               | Physiology,<br>Pathology        |
|------------------------|--|--|----|----|--|--------------------------------------|--|---------------------------------|
| G-PM<br>I.5.51         | pathophysiology<br>of ascites                  | mechanisms of<br>fluid<br>accumulation in<br>ascites,<br>including portal<br>hypertension,<br>hypoalbuminem<br>ia, and<br>lymphatic                                |    |    | Small<br>group<br>discussi<br>on             | studies,<br>Role-<br>playing         |  | Pathology                       |
| HomU<br>G-PM<br>I.5.52 | Discuss the causes of ascites                  | obstruction.<br>Identify the<br>various of<br>etiologies of<br>ascites,<br>including liver<br>cirrhosis, heart<br>failure, and<br>malignancy.                      | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Problem-<br>based<br>learning        | MCQs,<br>Short-<br>answer<br>questions | Pathology                       |
| HomU<br>G-PM<br>I.5.53 | Explain the<br>clinical features<br>of ascites | Describe the<br>signs and<br>symptoms of<br>ascites, such as<br>abdominal<br>distension and<br>shifting<br>dullness, and<br>their<br>significance in<br>diagnosis. | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Observati<br>ons,<br>Simulatio<br>ns | LAQ, SAQ                               | Surgery,<br>Clinical<br>Medicne |

| HomU<br>G-PM<br>I.5.54 | Differentiate<br>between<br>transudative and<br>exudative ascites               | Define<br>transudative and<br>exudative<br>ascites and the<br>pathophysiologi<br>cal differences<br>between them.   | C1 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Quizzes,<br>Peer<br>assessmen<br>t      | SAQ                                    | Pathology                             |
|------------------------|---|---|----|----|--|---|--|---------------------------------------|
| HomU<br>G-PM<br>I.5.55 | Discuss the<br>classification of<br>ascites based on<br>the underlying<br>cause | Explain the<br>categorization<br>of ascites as<br>cirrhotic,<br>cardiac,<br>malignant, and<br>tuberculous<br>based on the<br>underlying<br>disease process. | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | #NAME?                                  | MCQs,<br>Short-<br>answer<br>questions | Pathology                             |
| HomU<br>G-PM<br>I.5.56 | Describe the<br>grading of ascites<br>based on severity                         | Explain the use<br>of imaging<br>modalities, such<br>as ultrasound, in<br>grading ascites<br>from mild to<br>severe based on<br>fluid<br>accumulation.      | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Problem-<br>based<br>learning           | MCQs,<br>Short-<br>answer<br>questions | Pathology,<br>Surgery                 |
| HomU<br>G-PM<br>I.5.57 | Explain the role<br>of ascitic fluid<br>analysis in<br>diagnosis                | Describe the use<br>of ascitic fluid<br>analysis,<br>including cell<br>count, albumin<br>gradient, and  | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Presentati<br>ons,<br>Group<br>projects | SAQ                                    | Physiology,<br>Laboratory<br>Medicine |

|                        |    |  | culture, in<br>diagnosing the<br>cause of ascites.   |    |    |  |                  |  |                                   |
|------------------------|----|--|--|----|----|--|------------------|--|-----------------------------------|
| HomU<br>G-PM<br>I.5.58 | НО | Describe the<br>common<br>homoeopathic<br>remedies used in<br>the management<br>of ascites | Explain the<br>indications for<br>remedies such<br>as Apis<br>mellifica,<br>Lycopodium,<br>and Carduus<br>marianus in<br>treating ascites. | C2 | МК | Lecture,<br>Small<br>group<br>discussi<br>on | Case<br>studies, | MCQs,<br>Short-<br>answer<br>questions | Homoeopathic<br>Materia<br>Medica |

## 6.1.6. Renal and Urinary Tract Dysfunctions

| Sl. No. | Domain | Millers | Content          | SLO               | Blooms        | Priori | T-L     | Asses   | sment | Integration |
|---------|--------|---------|------------------|-------------------|---------------|--------|---------|---------|-------|-------------|
|         | of     | Level   |                  |                   | Domai         | ty     | Metho   | F       | S     |             |
|         | Compet |         |                  |                   | n/            |        | ds      |         |       |             |
|         | ency   |         |                  |                   | Guilbe        |        |         |         |       |             |
|         |        |         |                  |                   | rt's<br>Level |        |         |         |       |             |
| HomU    | K&S    | K       | Define the terms | Students should   | C1            | MK     | Lecture | MCQ,    | SAQ   | Anatomy,    |
| G-PM    | Rab    | 11      | "renal           | be able to define | CI            | WIIX   | , Group | Written | Sing  | Pathology   |
| I.6.1   |        |         |                  | these terms and   |               |        | discuss | test    |       | 1 00101085  |
|         |        |         | "urinary tract   | differentiate     |               |        | ion     |         |       |             |
|         |        |         | dysfunction"     | between           |               |        |         |         |       |             |
|         |        |         |                  | dysfunction of    |               |        |         |         |       |             |
|         |        |         |                  | the kidneys and   |               |        |         |         |       |             |
|         |        |         |                  | the urinary tract |               |        |         |         |       |             |

| HomU<br>G-PM          |    | Identify the various causes of   | Students should be able to list the   | C1 | МК | Lecture<br>, Group                   | MCQ,<br>Written         | SAQ         | Medicine,<br>Pathology   |
|-----------------------|----|--|---|----|----|--------------------------------------|-------------------------|-------------|--------------------------|
| I.6.2                 |    | renal dysfunction  | factors that can<br>lead to<br>dysfunction of<br>the kidneys  |    |    | discuss<br>ion                       | test                    |             |                          |
| HomU<br>G-PM<br>I.6.3 |    | Identify the<br>various causes of<br>urinary tract<br>dysfunction                                | Students should<br>be able to list the<br>factors that can<br>lead to<br>dysfunction of<br>the urinary tract                | C1 | МК | Lecture<br>, Group<br>discuss<br>ion | MCQ,<br>Written<br>test | SAQ         | Medicine,<br>Pathology   |
| HomU<br>G-PM<br>I.6.4 | KH | Describe the<br>underlying<br>pathophysiology<br>of renal<br>dysfunction                         | Students should<br>be able to<br>describe the<br>pathophysiologic<br>al processes<br>involved in renal<br>dysfunction       | C2 | NK | Lecture<br>, Group<br>discuss<br>ion | MCQ,<br>Written<br>test | SAQ         | Physiology,<br>Pathology |
| HomU<br>G-PM<br>I.6.5 | K  | Define the terms<br>"cystitis" and<br>"bladder pain<br>syndrome"                                 | Students should<br>be able to define<br>these terms and<br>differentiate<br>between them                                    | C1 | МК | Lecture<br>, Group<br>discuss<br>ion | MCQ,<br>Written<br>test | SAQ,<br>MCQ | Pathology,<br>Surgery    |
| HomU<br>G-PM<br>I.6.6 |    | Describe the<br>symptoms and<br>clinical<br>presentation of<br>cystitis/bladder<br>pain syndrome | Students should<br>be able to list the<br>common<br>symptoms<br>associated with<br>cystitis and<br>bladder pain<br>syndrome | C1 | МК | Lecture<br>, Group<br>discuss<br>ion | MCQ,<br>Written<br>test | SAQ,<br>MCQ | Surgery,<br>Urology      |

|       |    |    |                  |                    | ~  |    | -       | 1.490   |      |                |
|-------|----|----|------------------|--------------------|----|----|---------|---------|------|----------------|
| HomU  |    | KH | Discuss the      | Students should    | C2 | NK | Lecture | MCQ,    | SAQ, | Pathology,     |
| G-PM  |    |    | causes and risk  | be able to discuss |    |    | , Group | Written | MCQ  | Urology        |
| I.6.7 |    |    | factors          | the various        |    |    | discuss | test    |      |                |
|       |    |    | associated with  | factors that can   |    |    | ion     |         |      |                |
|       |    |    | cystitis/bladder | lead to the        |    |    |         |         |      |                |
|       |    |    | pain syndrome    | development of     |    |    |         |         |      |                |
|       |    |    |                  | cystitis and       |    |    |         |         |      |                |
|       |    |    |                  | bladder pain       |    |    |         |         |      |                |
|       |    |    |                  | syndrome           |    |    |         |         |      |                |
| HomU  | HO |    | Describe the     | Students should    | C2 | MK | Lecture | MCQ,    | SAQ, | Homoeopathic   |
| G-PM  |    |    | principles of    | be able to         |    |    | , Group | Written | MCQ  | Materia Medica |
| I.6.8 |    |    | homoeopathic     | describe the basic |    |    | discuss | test    |      |                |
|       |    |    | management for   | principles of      |    |    | ion     |         |      |                |
|       |    |    | cystitis/bladder | homoeopathic       |    |    |         |         |      |                |
|       |    |    | pain syndrome    | treatment for      |    |    |         |         |      |                |
|       |    |    |                  | cystitis and       |    |    |         |         |      |                |
|       |    |    |                  | bladder pain       |    |    |         |         |      |                |
|       |    |    |                  | syndrome           |    |    |         |         |      |                |
| HomU  |    | SH | Demonstrate the  | Students should    | P2 | MK | Role-   | MCQ,    | SAQ, | Homoeopathic   |
| G-PM  |    |    | process of       | be able to         |    |    | playing | Written | MCQ  | Materia Medica |
| I.6.9 |    |    | selecting a      | demonstrate how    |    |    | ,       | test    | _    |                |
|       |    |    | homoeopathic     | to select a        |    |    | Simulat |         |      |                |
|       |    |    | remedy for       | homoeopathic       |    |    | ion     |         |      |                |
|       |    |    | cystitis/bladder | remedy for a case  |    |    |         |         |      |                |
|       |    |    | pain syndrome    | of                 |    |    |         |         |      |                |
|       |    |    | based on the     | cystitis/bladder   |    |    |         |         |      |                |
|       |    |    | totality of      | pain syndrome      |    |    |         |         |      |                |
|       |    |    | symptoms         | · ·                |    |    |         |         |      |                |

| HomU<br>G-PM           | K&S | К  | Define the term<br>"dysuria" and  | Students should be able to define  | C1 | МК | Lecture<br>, Group                   | MCQ,<br>Written         | SAQ,<br>MCQ | Physiology,<br>Urology         |
|------------------------|-----|----|---|--|----|----|--------------------------------------|-------------------------|-------------|--------------------------------|
| I.6.10                 |     |    | differentiate it<br>from other<br>urinary<br>symptoms                     | dysuria with its<br>characteristic<br>features   |    |    | discuss<br>ion                       | test                    |             |                                |
| HomU<br>G-PM<br>I.6.11 |     |    | Describe the<br>various causes of<br>dysuria                              | Students should<br>be able to list the<br>factors that can<br>lead to the<br>development of<br>dysuria           | C1 | МК | Lecture<br>, Group<br>discuss<br>ion | MCQ,<br>Written<br>test | SAQ,<br>MCQ | Pathology,<br>Urology          |
| HomU<br>G-PM<br>I.6.12 |     | КН | Explain the<br>underlying<br>pathophysiology<br>of dysuria                | Students should<br>be able to explain<br>the pathological<br>processes that<br>cause dysuria                     | C2 | NK | Lecture<br>, Group<br>discuss<br>ion | MCQ,<br>Written<br>test | SAQ,<br>MCQ | Physiology,<br>Pathology       |
| HomU<br>G-PM<br>I.6.13 |     |    | Discuss the<br>clinical features<br>and presentation<br>of dysuria        | Students should<br>be able to<br>describe the<br>common<br>symptoms and<br>signs associated<br>with dysuria      | C2 | МК | Lecture<br>, Group<br>discuss<br>ion | MCQ,<br>Written<br>test | SAQ,<br>MCQ | Surgery,<br>Pathology          |
| HomU<br>G-PM<br>I.6.14 | НО  |    | Explain the<br>principles of<br>homoeopathic<br>management for<br>dysuria | Students should<br>be able to<br>describe the basic<br>principles of<br>homoeopathic<br>treatment for<br>dysuria | C2 | МК | Lecture<br>, Group<br>discuss<br>ion | MCQ,<br>Written<br>test | SAQ,<br>MCQ | Homoeopathic<br>Materia Medica |

|        |     | [  |                  |                     |    |    | I       |         |      |                |
|--------|-----|----|------------------|---------------------|----|----|---------|---------|------|----------------|
| HomU   |     |    | Demonstrate the  | Students should     | P2 | MK | Role-   | MCQ,    | SAQ, | Homoeopathic   |
| G-PM   |     |    | process of       | be able to          |    |    | playing | Written | MCQ  | Materia Medica |
| I.6.15 |     |    | selecting a      | demonstrate how     |    |    | ,       | test    |      |                |
|        |     |    | homoeopathic     | to select a         |    |    | Simulat |         |      |                |
|        |     |    | remedy for       | homoeopathic        |    |    | ion     |         |      |                |
|        |     |    | dysuria based on | remedy for a case   |    |    |         |         |      |                |
|        |     |    | the totality of  | of dysuria          |    |    |         |         |      |                |
|        |     |    | symptoms         |                     |    |    |         |         |      |                |
| HomU   | K&S | Κ  | Define the term  | Students should     | C1 | MK | Lecture | MCQ,    | SAQ, | Physiology,    |
| G-PM   |     |    | "azotemia" and   | be able to          |    |    | , Group | Written | MCQ  | Pathology,     |
| I.6.16 |     |    | explain its      | 1.defineazotemia    |    |    | discuss | test    |      | Nephrology     |
|        |     |    | significance     | and 2.              |    |    | ion     |         |      |                |
|        |     |    |                  | understand its      |    |    |         |         |      |                |
|        |     |    |                  | clinical            |    |    |         |         |      |                |
|        |     |    |                  | implications        |    |    |         |         |      |                |
| HomU   |     |    | Describe the     | Students should     | C1 | MK | Lecture | MCQ,    | SAQ, | Pathology,     |
| G-PM   |     |    | various causes   | be able to list the |    |    | , Group | Written | MCQ  | Nephrology     |
| I.6.17 |     |    | and mechanisms   | factors that can    |    |    | discuss | test    |      |                |
|        |     |    | leading to the   | lead to the         |    |    | ion     |         |      |                |
|        |     |    | development of   | development of      |    |    |         |         |      |                |
|        |     |    | azotemia         | azotemia            |    |    |         |         |      |                |
| HomU   |     | KH | Explain the      | Students should     | C2 | NK | Lecture | MCQ,    | SAQ, | Physiology,    |
| G-PM   |     |    | underlying       | be able to explain  |    |    | , Group | Written | MCQ  | Pathology,     |
| I.6.18 |     |    | pathophysiologic | the pathological    |    |    | discuss | test    |      | Nephrology     |
|        |     |    | al processes     | processes that      |    |    | ion     |         |      |                |
|        |     |    | involved in the  | lead to elevated    |    |    |         |         |      |                |
|        |     |    | development of   | blood urea          |    |    |         |         |      |                |
|        |     |    | azotemia         | nitrogen (BUN)      |    |    |         |         |      |                |
|        |     |    |                  | and creatinine      |    |    |         |         |      |                |
|        |     |    |                  | levels in azotemia  |    |    |         |         |      |                |

| HomU<br>G-PM                |    |   | Discuss the clinical   | Students should be able to  | C2 | MK | Lecture<br>, Group                      | MCQ,<br>Written         | SAQ,<br>MCQ | Nephrology                            |
|-----------------------------|----|---|--|---|----|----|---|-------------------------|-------------|---------------------------------------|
| I.6.19                      |    |   | presentation and<br>signs associated<br>with azotemia  | describe the<br>common clinical<br>manifestations of<br>azotemia  |    |    | discuss<br>ion                          | test                    |             |                                       |
| HomU<br>G-PM<br>I.6.20      |    |   | Discuss the<br>diagnostic tests<br>and procedures<br>used to evaluate<br>and diagnose<br>azotemia                              | Students should<br>be able to discuss<br>the clinical<br>investigations<br>used to evaluate<br>azotemia             | C2 | NK | Lecture<br>, Group<br>discuss<br>ion    | MCQ,<br>Written<br>test | SAQ,<br>MCQ | Laboratory<br>Medicine,<br>Nephrology |
| HomU<br>G-PM<br>I.6.21      | НО |   | Explain the<br>principles of<br>homoeopathic<br>management for<br>azotemia   | Students should<br>be able to<br>describe the basic<br>principles of<br>homoeopathic<br>treatment for<br>azotemia   | C2 | МК | Lecture<br>, Group<br>discuss<br>ion    | MCQ,<br>Written<br>test | SAQ,<br>MCQ | Homoeopathic<br>Materia Medica        |
| HomU<br>G-PM<br>I.6.22      |    |   | Demonstrate the<br>process of<br>selecting a<br>homoeopathic<br>remedy for<br>azotemia based<br>on the totality of<br>symptoms | Students should<br>be able to<br>demonstrate how<br>to select a<br>homoeopathic<br>remedy for a case<br>of azotemia | P2 | МК | Role-<br>playing<br>,<br>Simulat<br>ion | MCQ,<br>Written<br>test | SAQ,<br>MCQ | Homoeopathic<br>Materia Medica        |
| KHom<br>UG-<br>PM<br>I.6.23 |    | K | Define the terms<br>"fluid imbalance"<br>and "electrolyte<br>imbalance"  | Students should<br>be able to define<br>these terms   | C1 | МК | Lecture<br>, Group<br>discuss<br>ion    | MCQ,<br>Written<br>test | SAQ,<br>MCQ | Physiology                            |

| HomU<br>G-PM<br>I.6.24 |    | Describe the<br>various causes<br>and factors<br>contributing to<br>fluid and<br>electrolyte<br>imbalances                                   | Students should<br>be able to list the<br>factors that lead<br>to the<br>development of<br>fluid and<br>electrolyte<br>imbalances                     | C1 | МК | Lecture<br>, Group<br>discuss<br>ion | MCQ,<br>Written<br>test | SAQ,<br>MCQ | Medicine,<br>Physiology  |
|------------------------|----|--|---|----|----|--------------------------------------|-------------------------|-------------|--------------------------|
| HomU<br>G-PM<br>I.6.25 | KH | Explain the<br>underlying<br>pathophysiologic<br>al processes<br>involved in the<br>development of<br>fluid and<br>electrolyte<br>imbalances | Students should<br>be able to explain<br>the pathological<br>mechanisms that<br>lead to fluid and<br>electrolyte<br>imbalance                         | C2 | NK | Lecture<br>, Group<br>discuss<br>ion | MCQ,<br>Written<br>test | SAQ,<br>MCQ | Physiology,<br>Pathology |
| HomU<br>G-PM<br>I.6.26 |    | Discuss the<br>clinical signs and<br>symptoms<br>associated with<br>fluid and<br>electrolyte<br>imbalances                                   | Students should<br>be able to<br>describe the<br>common clinical<br>manifestations<br>seen in patients<br>with fluid and<br>electrolyte<br>imbalances | C2 | МК | Lecture<br>, Group<br>discuss<br>ion | MCQ,<br>Written<br>test | SAQ,<br>MCQ | Physiology               |
| HomU<br>G-PM<br>I.6.27 |    | Identifythevariousriskfactorsthatpredisposeindividuals to thedevelopmentof   | Students should<br>be able to discuss<br>the factors that<br>influence the<br>fluid and   | C2 | NK | Lecture<br>, Group<br>discuss<br>ion | MCQ,<br>Written<br>test | SAQ,<br>MCQ | Physiology,<br>Pathology |

|                        |     | fluid and<br>electrolyte<br>imbalances  | electrolyte<br>imbalances   |    |    |   |                         |                     |                                     |
|------------------------|-----|---|---|----|----|---|-------------------------|---------------------|-------------------------------------|
| HomU<br>G-PM<br>I.6.28 | НО  | Explain the<br>principles of<br>homoeopathic<br>management for<br>fluid and<br>electrolyte<br>imbalances                              | Students should<br>be able to<br>describe the basic<br>principles of<br>homoeopathic<br>treatment for<br>fluid and<br>electrolyte<br>imbalances | C2 | МК | Lecture<br>, Group<br>discuss<br>ion    | MCQ,<br>Written<br>test | SAQ,<br>MCQ         | Homoeopathic<br>Materia Medica      |
| HomU<br>G-PM<br>I.6.29 |     | Demonstrate the<br>process of<br>selecting a<br>homoeopathic<br>remedy for fluid<br>and electrolyte<br>imbalance based<br>on symptoms | Students should<br>be able to<br>demonstrate how<br>to select a<br>homoeopathic<br>remedy in case of<br>fluid and<br>electrolyte<br>imbalance   | P2 | МК | Role-<br>playing<br>,<br>Simulat<br>ion | MCQ,<br>Written<br>test | SAQ,<br>MCQ         | Homoeopathic<br>Materia Medica      |
| HomU<br>G-PM<br>I.6.30 | K&S | Discuss the<br>impact of<br>lifestyle factors<br>such as diet and<br>fluid intake on<br>fluid and<br>electrolyte<br>balance           | Students should<br>be able to discuss<br>how lifestyle<br>changes can help<br>manage fluid and<br>electrolyte<br>imbalances                     | C2 | NK | Lecture<br>, Group<br>discuss<br>ion    | MCQ,<br>Written<br>test | LAQ,<br>SAQ,<br>MCQ | Nutrition,<br>Lifestyle<br>Medicine |

### 6.1.7. Hematological alterations-

| Sl. No.   | Domain               | Millers | Content   | SLO  | Blooms                                 | Priorit | T-L                                     | Asses                    | sment       | Integration              |
|---|----------------------|---------|---|--|--|---------|---|--------------------------|-------------|--------------------------|
|   | of<br>Compet<br>ency | Level   |   |  | Domai<br>n/<br>Guilbe<br>rt's<br>Level | У       | Meth<br>ods                             | F                        | S           |                          |
| HomU<br>G-PM<br>I.7.1<br>7.1a<br>7.1a<br>7.1a<br>7.1a | K&S                  | K       | Define the<br>terminologies<br>used.  | Students should<br>be able to define<br>following<br>hematological<br>alterations with<br>their<br>characterestics<br>1. Anemia,<br>2. Leukocytosis,<br>3. Leucopenia,<br>4. Bleeding<br>diatheses | Cl                                     | МК      | Lectur<br>e,<br>Group<br>discus<br>sion | Quiz,<br>Written<br>test | MCQ,<br>SAQ | Physiology,<br>Pathology |
| HomU<br>G-PM<br>I.7.2                                 |                      | KH      | Identify the various risk factors that predispose individuals to the development of hematological alterations | Studentsshouldbe able to discussthe factorsthe factorsthe increaselikelihoodof   | C2                                     | МК      | Lectur<br>e,<br>Group<br>discus<br>sion | Quiz,<br>Written<br>test | MCQ,<br>SAQ | Physiology,<br>Pathology |

| HomU  | Explain the      | Students should    | C2 | MK | Lectur | Quiz,    | MCQ, | Physiology, |
|-------|------------------|--------------------|----|----|--------|----------|------|-------------|
| G-PM  | underlying       | be able to explain |    |    | e,     | Assignme | SAQ  | Pathology   |
| I.7.3 | pathophysiologic | the pathological   |    |    | Group  | nts,     |      |             |
|       | al processes     | mechanisms that    |    |    | discus | Written  |      |             |
|       | involved in the  | lead to the        |    |    | sion   | test     |      |             |
|       | development of   | following          |    |    |        |          |      |             |
|       | hematological    | hematological      |    |    |        |          |      |             |
|       | alterations      | disorders          |    |    |        |          |      |             |
| 7.3a  |                  | 1. Anemia,         |    |    |        |          |      |             |
| 7.3a  |                  | 2. Leukocytosis,   |    |    |        |          |      |             |
| 7.3a  |                  | 3. Leucopenia,     |    |    |        |          |      |             |
| 7.3a  |                  | 4. Bleeding        |    |    |        |          |      |             |
|       |                  | diatheses          |    |    |        |          |      |             |
| HomU  | Discuss the      | Students should    | C2 | MK | Lectur | Quiz,    | MCQ, | Pathology,  |
| G-PM  | common signs     | be able to         |    |    | e,     | Assignme | LAQ, | Hematology  |
| I.7.4 | and symptoms     | describe the       |    |    | Group  | nts,     | SAQ  |             |
|       | associated with  | typical clinical   |    |    | discus | Written  |      |             |
|       | hematological    | manifestations     |    |    | sion   | test     |      |             |
|       | alterations      | observed in        |    |    |        |          |      |             |
|       |                  | patients with      |    |    |        |          |      |             |
|       |                  | following          |    |    |        |          |      |             |
|       |                  | hematological      |    |    |        |          |      |             |
|       |                  | disorders          |    |    |        |          |      |             |
| 7.4a  |                  | 1. Anemia,         |    |    |        |          |      |             |
| 7.4a  |                  | 2. Leukocytosis,   |    |    |        |          |      |             |
| 7.4a  |                  | 3. Leucopenia,     |    |    |        |          |      |             |
| 7.4a  |                  | 4. Bleeding        |    |    |        |          |      |             |
|       |                  | diatheses          |    |    |        |          |      |             |

| HomU<br>G-PM          |    | Discuss the diagnostic tests  | Students should be able to discuss  | C2 | МК | Lectur<br>e,                              | Quiz,<br>Assignme                            | MCQ,<br>SAQ | Pathology,<br>Laboratory   |
|-----------------------|----|---|---|----|----|---|--|-------------|----------------------------|
| I.7.5                 |    | and procedures<br>used to evaluate<br>and diagnose<br>hematological<br>alterations  | the various tests<br>and procedures<br>used to evaluate<br>hematological<br>disorders   |    |    | Group<br>discus<br>sion                   | nts,<br>Written<br>test                      |             | Medicine,<br>Hematology    |
| HomU<br>G-PM<br>I.7.6 |    | Explain the<br>principles of<br>homoeopathic<br>management for<br>hematological<br>alterations                                  | Students should<br>be able to<br>describe the basic<br>principles of<br>homoeopathic<br>treatment for<br>hematological<br>disorders     | C2 | МК | Lectur<br>e,<br>Group<br>discus<br>sion   | Quiz,<br>Assignme<br>nts,<br>Written<br>test | SAQ         | Organon of<br>Medicine     |
| HomU<br>G-PM<br>I.7.7 |    | Explain how<br>homoeopathic<br>remedies are<br>selected for<br>hematological<br>alterations                                     | Students should<br>be able to explain<br>the process of<br>selection<br>homoeopathic<br>remedies for<br>hematological<br>alterations    | C2 | МК | Lectur<br>e,<br>Group<br>discus<br>sion   | Quiz,<br>Assignme<br>nts,<br>Written<br>test | SAQ         | Organon,<br>Materia medica |
| HomU<br>G-PM<br>I.7.8 | SH | Demonstrate the<br>process of<br>selecting a<br>homoeopathic<br>remedy for<br>hematologicalalt<br>erations based on<br>symptoms | Students should<br>be able to<br>demonstrate how<br>to select a<br>homoeopathic<br>remedy for a case<br>of hematological<br>dysfunction | P2 | МК | Group<br>Discu<br>ssion,<br>Case<br>study | Assignme<br>nts                              | SAQ         | Organon,<br>Materia medica |

## 6.1.8. Psychological symptoms-

| Sl. No.               | Domain               | Millers | Content   |  | Blooms                                 | Priori | T-L                                  | Asse                     | essment | Integration               |
|-----------------------|----------------------|---------|---|--|--|--------|--------------------------------------|--------------------------|---------|---------------------------|
|                       | of<br>Compet<br>ency | Level   |   |  | Domain<br>/<br>Guilber<br>t's<br>Level | ty     | Metho<br>ds                          | F                        | S       |                           |
| HomU<br>G-PM<br>I.8.1 | K&S                  | K       | Define the terms<br>"psychological<br>symptoms" and<br>explain their<br>relevance | <ol> <li>Psychological<br/>disorders are patterns<br/>of behavioral or<br/>psychological<br/>symptoms that<br/>impact multiple areas<br/>of life. 2. These<br/>disorders create<br/>distress for the person<br/>experiencing the<br/>symptoms.</li> <li>They can be<br/>temporary or<br/>lifelong, and affect<br/>how you think, feel,<br/>and behave</li> </ol> | C1                                     | МК     | Lecture<br>, Group<br>discuss<br>ion | Quiz,<br>Written<br>test | SAQ     | Psychiatry,<br>Psychology |
| HomU<br>G-PM<br>I.8.2 |                      |         | Define the term<br>"fatigue" and<br>explain its<br>relevance                      | Define fatigue and its significance  | C1                                     | МК     | Lecture<br>, Group<br>discuss<br>ion | Quiz,<br>Written<br>test | SAQ     | Physiology,<br>Medicine   |
| HomU<br>G-PM<br>I.8.3 |                      |         | Describe the<br>various factors<br>and conditions<br>that can lead to<br>fatigue  | List the factors that<br>can contribute to the<br>onset of fatigue   | C1                                     | МК     | Lecture<br>, Group<br>discuss<br>ion | Quiz,<br>Written<br>test | SAQ     | Physiology,<br>Medicine   |

| HomU<br>G-PM<br>I.8.4 | КН | Explain the<br>underlying<br>physiological<br>processes<br>involved in the<br>development of<br>fatigue  | Explainthephysiologicalmechanismsthatunderliethemanifestationoffatigue  | C2 | NK | Lecture<br>, Group<br>discuss<br>ion | Quiz,<br>Written<br>test | SAQ | Physiology,<br>Medicine   |
|-----------------------|----|--|---|----|----|--------------------------------------|--------------------------|-----|---------------------------|
| HomU<br>G-PM<br>I.8.5 | K  | Define the term<br>"asthenia"  | Define asthenia and its significance                                    | C1 | МК | Lecture<br>, Group<br>discuss<br>ion | Quiz,<br>Written<br>test | SAQ | Physiology,<br>Medicine   |
| HomU<br>G-PM<br>I.8.6 |    | Describe the<br>various factors<br>and conditions<br>that can lead to<br>asthenia                        | List the factors that<br>can contribute to the<br>onset of asthenia     | C2 | МК | Lecture<br>, Group<br>discuss<br>ion | Quiz,<br>Written<br>test | SAQ | Physiology,<br>Medicine   |
| HomU<br>G-PM<br>I.8.7 | KH | Explain the<br>underlying<br>physiological<br>processes<br>involved in the<br>development of<br>asthenia | Explainthephysiologicalmechanismsthatunderliethemanifestationofasthenia | C2 | NK | Lecture<br>, Group<br>discuss<br>ion | Quiz,<br>Written<br>test | SAQ | Physiology,<br>Medicine   |
| HomU<br>G-PM<br>I.8.8 | К  | Define the term<br>"anxiety"   | Define anxiety and its significance                                     | C1 | МК | Lecture<br>, Group<br>discuss<br>ion | Quiz,<br>Written<br>test | SAQ | Psychiatry,<br>Psychology |
| HomU<br>G-PM<br>I.8.9 |    | Describe the<br>various factors<br>and conditions<br>that can lead to<br>anxiety                         | List the factors that<br>can contribute to the<br>onset of anxiety      | C2 | МК | Lecture<br>, Group<br>discuss<br>ion | Quiz,<br>Written<br>test | SAQ | Psychiatry,<br>Psychology |

| HomU                   | KH | Explain the  | 1  | C2 | NK | Lecture                              | Quiz,                    | SAQ | Physiology, Psyc          |
|------------------------|----|--|--|----|----|--------------------------------------|--------------------------|-----|---------------------------|
| G-PM<br>I.8.10         |    | underlying<br>physiological<br>processes<br>involved in the<br>development of<br>anxiety         | physiological<br>mechanisms that<br>underlie the<br>manifestation of<br>anxiety    |    |    | , Group<br>discuss<br>ion            | Written<br>test          |     |                           |
| HomU<br>G-PM<br>I.8.11 | K  | Define the term<br>"sadness"   | Define sadness and its significance  | C1 | МК | Lecture<br>, Group<br>discuss<br>ion | Quiz,<br>Written<br>test | SAQ | Psychiatry,<br>Psychology |
| HomU<br>G-PM<br>I.8.12 | КН | Describe the<br>various factors<br>and conditions<br>that can lead to<br>sadness                 | List the factors that<br>can contribute to the<br>onset of sadness                 | C2 | МК | Lecture<br>, Group<br>discuss<br>ion | Quiz,<br>Written<br>test | SAQ | Psychiatry,<br>Psychology |
| HomU<br>G-PM<br>I.8.13 | К  | Define the term<br>"disorders of<br>thought" and<br>explain its<br>relevance                     | Define disorders of<br>thought and<br>understand their<br>significance             | C1 | МК | Lecture<br>, Group<br>discuss<br>ion | Quiz,<br>Written<br>test | SAQ | Psychiatry,<br>Psychology |
| HomU<br>G-PM<br>I.8.14 | КН | Describe the<br>various factors<br>and conditions<br>that can lead to<br>disorders of<br>thought | List the factors that<br>can contribute to the<br>onset of disorders of<br>thought | C2 | МК | Lecture<br>, Group<br>discuss<br>ion | Quiz,<br>Written<br>test | SAQ | Psychiatry,<br>Psychology |
| HomU<br>G-PM<br>I.8.15 | K  | Define the term<br>"disorders of<br>perception" and<br>explain its<br>relevance                  | Define disorders of<br>perception and their<br>significance                        | C1 | МК | Lecture<br>, Group<br>discuss<br>ion | Quiz,<br>Written<br>test | SAQ | Psychiatry,<br>Psychology |

| HomU   | KH | Describe the      | List he factors  | that   | C2 | MK   | Lastura | Ouiz    | SAO | Development                            |
|--------|----|-------------------|------------------|--------|----|------|---------|---------|-----|--|
|        | КП |                   |                  |        | C2 | IVIN | Lecture | Quiz,   | SAQ | Psychiatry,                            |
| G-PM   |    | various factors   | can contribute t |        |    |      | , Group | Written |     | Psychology                             |
| I.8.16 |    | and conditions    | onset of disorde | ers of |    |      | discuss | test    |     |  |
|        |    | that can lead to  | perception       |        |    |      | ion     |         |     |  |
|        |    | disorders of      |                  |        |    |      |         |         |     |  |
|        |    | perception        |                  |        |    |      |         |         |     |  |
| HomU   | K  | Define the term   | Define           | sleep  | C1 | MK   | Lecture | Quiz,   | SAQ |  |
| G-PM   |    | "sleep disorders" | disorders.       |        |    |      | , Group | Written |     | Psychiatry,                            |
| I.8.17 |    | and explain its   |                  |        |    |      | discuss | test    |     | Psychology                             |
|        |    | relevance         |                  |        |    |      | ion     |         |     |  |
| HomU   | KH | Describe the      | List the factors | that   | C2 | MK   | Lecture | Quiz,   | SAQ |  |
| G-PM   |    | various factors   | can contribute t |        | -  |      | , Group | Written |     |  |
| I.8.18 |    | and conditions    |                  | sleep  |    |      | discuss | test    |     | Psychiatry,                            |
| 1.0.10 |    | that can lead to  | disorders        | sicop  |    |      | ion     | lost    |     | Psychology                             |
|        |    | sleep disorders   | disorders        |        |    |      | 1011    |         |     |  |
| HomU   |    | Explain the       | Explain          | the    | C2 | NK   | Lecture | Quiz,   | SAQ |  |
| G-PM   |    | -                 | -                | uie    | C2 | INK  |         | Written | SAQ |  |
|        |    | underlying        | physiological    | 41 4   |    |      | , Group |         |     |  |
| I.8.19 |    | physiological     | mechanisms       | that   |    |      | discuss | test    |     | Physiology,                            |
|        |    | processes         | underlie         | the    |    |      | ion     |         |     | Psychiatry                             |
|        |    | involved in the   |                  | of     |    |      |         |         |     | ······································ |
|        |    | development of    | sleep disorders  |        |    |      |         |         |     |  |
|        |    | sleep disorders   |                  |        |    |      |         |         |     |  |

| Sl. No.               | Domain               | Millers | Content  | SLO  | Blooms                         | Priorit | T-L  | Asses                                     | sment       | Integration                               |
|-----------------------|----------------------|---------|--|--|--------------------------------|---------|--|---|-------------|---|
|                       | of<br>Compete<br>ncy | Level   |  |  | Domain/<br>Guilbert's<br>Level | У       | Meth<br>ods                                      | F   | S           |   |
| HomU<br>G-PM<br>I.9.1 | K&S                  | K       | Explanation of<br>primary and<br>secondary<br>immunodeficien<br>cy states    | Understanding<br>the difference<br>between<br>primary and<br>secondary<br>immunodeficien<br>cy | C1                             | МК      | Lectur<br>e,<br>Discu<br>ssion                   | Quizzes,<br>Written<br>test               | SAQ         | Physiology,<br>Pathology,<br>Microbiology |
| HomU<br>G-PM<br>I.9.2 |                      |         | Overview of<br>common<br>genetic and<br>acquired causes                      | Recognition of<br>common<br>primary<br>immunodeficien<br>cy disorders                          | C2                             | МК      | Case<br>studie<br>s,<br>Group<br>work            | Quizzes,<br>Written<br>test               | MCQ,<br>SAQ | Pathology,<br>Microbiology                |
| HomU<br>G-PM<br>I.9.3 |                      | КН      | Description of<br>clinical signs<br>and symptoms                             | Identification of<br>clinical features<br>suggestive of<br>immunodeficien<br>cy                | C2                             | МК      | Group<br>Discu<br>ssiion,<br>Assig<br>nment<br>s | Quizzes,<br>Written<br>test,<br>Tutorials | MCQ,<br>SAQ | Pathology,<br>Microbiology                |
| HomU<br>G-PM<br>I.9.4 |                      |         | Description of<br>therapeutic<br>interventions<br>and preventive<br>measures | Demonstration<br>of appropriate<br>management<br>plans for<br>immunodeficien<br>cy disorders   | C3                             | DK      | Debat<br>es                                      | Tutorials                                 | SAQ         | Pathology,<br>Microbiology                |

# 6.2. Competency tables for immunity and susceptibility – general considerations6.2.1. Introduction and primary & secondary immunodeficiency states-

| Sl. No.                | Domain               | Millers | Content  | SLO  | Blooms                         | Priorit | T-L                            | Asses                | sment | Integration                |
|------------------------|----------------------|---------|--|--|--------------------------------|---------|--------------------------------|----------------------|-------|----------------------------|
|                        | of<br>Compete<br>ncy | Level   |  |  | Domain/<br>Guilbert's<br>Level | У       | Meth<br>ods                    | F                    | S     |                            |
| HomU<br>G-PM<br>I.10.1 | K&S                  | K       | Explanation of<br>hypersensitivity<br>reaction types   | Understanding<br>the<br>classification<br>and<br>mechanisms of<br>hypersensitivit<br>y reactions | Cl                             | МК      | Lectur<br>e,<br>Discu<br>ssion | MCQ                  | SAQ   | Pathology,<br>Microbiology |
| 01a                    |                      |         |  | Type I<br>hypersensitivit<br>y reactions   |                                |         |                                |                      |       |                            |
| 01b                    |                      |         |  | Type II<br>hypersensitivit<br>y reactions  |                                |         |                                |                      |       |                            |
| 01c                    |                      |         |  | Type III<br>hypersensitivit<br>y reactions   |                                |         |                                |                      |       |                            |
| 01d                    |                      |         |  | Type IV<br>hypersensitivit<br>y reactions  |                                |         |                                |                      |       |                            |
| HomU<br>G-PM<br>I.10.2 |                      |         | Overview of<br>common<br>allergens and<br>mediators such<br>as IgE,<br>histamine, and<br>cytokines |  | C2                             | МК      | Group<br>discus<br>sion        | Assignme<br>nts, MCQ | SAQ   | Pathology,<br>Microbiology |

## 6.2.2. Hypersensitivity reactions: I,II,III,IV-

| HomU                   | KH | Explanation of   | U  | C2 | NK | Lectur                                   | Assignme             | SAQ                                | Physiology,                                       |
|------------------------|----|--|--|----|----|--|----------------------|------------------------------------|---|
| G-PM<br>I.10.3         |    | IgE-mediated<br>mast cell<br>degranulation   | the sequence of<br>events leading<br>to type I<br>hypersensitivit<br>y reactions                             |    |    | e,<br>Group<br>Discu<br>ssion            | nts, MCQ             |                                    | Pathology   |
| HomU<br>G-PM<br>I.10.4 |    | Description of<br>allergic rhinitis,<br>asthma,<br>anaphylaxis, and<br>atopic dermatitis                     | Identification<br>of clinical<br>features<br>suggestive of<br>type I<br>hypersensitivit<br>y                 | C2 | МК | Lectur<br>es,<br>Group<br>discus<br>sion | MCQ                  | SAQ,<br>Bedside<br>examinati<br>on | Physiology,<br>Pathology,<br>Clinical<br>medicine |
| HomU<br>G-PM<br>I.10.5 |    | Explanation of<br>skin prick tests<br>and serum IgE<br>assays  | Application of<br>diagnostic<br>strategies for<br>type I<br>hypersensitivit<br>y assessment                  | C2 | DK | Debat<br>es                              | Tutorials            | SAQ                                | Physiology,<br>Pathology,<br>Clinical<br>medicine |
| HomU<br>G-PM<br>I.10.6 | K  | Overview of<br>common<br>antigens and<br>antibodies such<br>as blood group<br>antigens and<br>autoantibodies | Identify<br>common<br>antigens and<br>antibodies<br>involved in<br>type II<br>hypersensitivit<br>y reactions | C1 | МК | Lectur<br>e                              | Assignme<br>nts, MCQ | SAQ,<br>Viva voce                  | Pathology,<br>Microbiology                        |
| HomU<br>G-PM<br>I.10.7 | КН | Explanation of<br>antibody-mediated<br>cell destruction and<br>complement<br>activation                      | Understanding the<br>sequence of events<br>leading to type II<br>hypersensitivity<br>reactions               | C2 | МК | Lectur<br>e                              | Assignme<br>nts, MCQ | SAQ                                | Physiology,<br>Pathology                          |

| HomU<br>G-PM<br>I.10.8  |    | Description of<br>autoimmune<br>hemolytic  | Identification<br>of clinical<br>features   | C2 | МК | Lectur<br>e,<br>case  | Assignme<br>nts, MCQ | SAQ,<br>Viva voce | Pathology,<br>clinical<br>medicine |
|-------------------------|----|--|---|----|----|-----------------------|----------------------|-------------------|------------------------------------|
|                         |    | anemia,<br>Goodpasture<br>syndrome, and<br>hemolytic<br>disease of the<br>newborn                        | suggestive of<br>type II<br>hypersensitivit<br>y  |    |    | based<br>learni<br>ng |                      |                   |                                    |
| HomU<br>G-PM<br>I.10.9  |    | Explanation of<br>direct and<br>indirect Coombs<br>tests   | Application of<br>diagnostic<br>strategies for<br>type II<br>hypersensitivit<br>y assessment                  | C2 | DK | Debat<br>es           | Tutorials            | SAQ,<br>Viva voce | Physiology,<br>pathology           |
| HomU<br>G-PM<br>I.10.10 | K  | Overview of<br>common<br>antigens and<br>antibodies such<br>as immune<br>complexes and<br>autoantibodies | Identify<br>common<br>antigens and<br>antibodies<br>involved in<br>type III<br>hypersensitivit<br>y reactions | C1 | МК | Lectur<br>e           | Assignme<br>nts, MCQ | SAQ,<br>Viva voce | Pathology,<br>Microbiology         |
| HomU<br>G-PM<br>I.10.11 | KH | Explanation of<br>immune<br>complex<br>deposition and<br>complement<br>activation                        | Understanding<br>the sequence of<br>events leading<br>to type III<br>hypersensitivit<br>y reactions           | C2 | МК | Lectur<br>e           | Assignme<br>nts, MCQ | SAQ               | Physiology,<br>Pathology           |

| HomU    |     | Description of   | Identification                 | C2 | MK    | Lectur | Assignme                               | SAQ,      | Pathology,   |
|---------|-----|------------------|--------------------------------|----|-------|--------|--|-----------|--------------|
| G-PM    |     | serum sickness,  | of clinical                    | C2 | IVIIX | e,     | nts, MCQ                               | Viva voce | clinical     |
| I.10.12 |     | Arthus reaction, | features                       |    |       | case   | nus, meg                               | viva voce | medicine     |
| 1.10.12 |     | and systemic     | suggestive of                  |    |       | based  |  |           | metheme      |
|         |     | lupus            | type III                       |    |       | learni |  |           |              |
|         |     | erythematosus    | hypersensitivit                |    |       | ng     |  |           |              |
|         |     |                  | V                              |    |       | 8      |  |           |              |
| HomU    |     | Explanation of   | Application of                 | C2 | DK    | Debat  | Tutorials                              | SAQ,      | Physiology,  |
| G-PM    |     | laboratory tests | diagnostic                     |    |       | es     |  | Viva voce | pathology    |
| I.10.13 |     | such as          | strategies for                 |    |       |        |  |           |              |
|         |     | complement       | type III                       |    |       |        |  |           |              |
|         |     | levels and       | hypersensitivit                |    |       |        |  |           |              |
|         |     | immunofluoresc   | y assessment                   |    |       |        |  |           |              |
|         |     | ence             |                                |    |       |        |  |           |              |
| HomU    | K   | Overview of      | 5                              | C1 | MK    | Lectur | Assignme                               | SAQ,      | Pathology,   |
| G-PM    |     | common           | common                         |    |       | e      | nts, MCQ                               | Viva voce | Microbiology |
| I.10.14 |     | antigens and     | antigens and                   |    |       |        |  |           |              |
|         |     | cells such as    | cells involved                 |    |       |        |  |           |              |
|         |     | haptens and T    | in type IV                     |    |       |        |  |           |              |
|         |     | cells            | hypersensitivit<br>v reactions |    |       |        |  |           |              |
| HomU    | КН  | Explanation of T | 2                              | C2 | MK    | Lectur | Assignme                               | SAQ       | Physiology,  |
| G-PM    | K11 | cell-mediated    | the sequence of                | C2 | IVIK  | e      | nts, MCQ                               | SAQ       | Pathology    |
| I.10.15 |     | inflammation     | events leading                 |    |       | e      | ins, weg                               |           | Famology     |
| 1.10.15 |     | and cytokine     | to type IV                     |    |       |        |  |           |              |
|         |     | release          | hypersensitivit                |    |       |        |  |           |              |
|         |     | Telease          | v reactions                    |    |       |        |  |           |              |
| HomU    |     | Description of   | 2                              | C2 | MK    | Lectur | Assignme                               | SAQ,      | Pathology,   |
| G-PM    |     | contact          | of clinical                    | ~- |       | e,     | nts, MCQ                               | Viva voce | clinical     |
| I.10.16 |     | dermatitis,      | features                       |    |       | case   | ······································ |           | medicine     |
|         |     | tuberculin       | suggestive of                  |    |       | based  |  |           |              |
|         |     | reaction, and    | type IV                        |    |       |        |  |           |              |

|         |  | autoimmune        | hypersensitivit |    |    | learni |           |           |             |
|---------|--|-------------------|-----------------|----|----|--------|-----------|-----------|-------------|
|         |  | diseases          | У               |    |    | ng     |           |           |             |
| HomU    |  | Explanation of    | Application of  | C2 | DK | Debat  | Tutorials | SAQ,      | Physiology, |
| G-PM    |  | patch testing and | diagnostic      |    |    | es     |           | Viva voce | pathology   |
| I.10.17 |  | lymphocyte        | strategies for  |    |    |        |           |           |             |
|         |  | proliferation     | type IV         |    |    |        |           |           |             |
|         |  | assays            | hypersensitivit |    |    |        |           |           |             |
|         |  |                   | y assessment    |    |    |        |           |           |             |

#### 6.2.3. Autoimmune Diseases-

| Sl. No.                | Domain               | Millers | Content   | SLO  | Blooms                        | Priorit | T-L                        | Asses                | sment             | Integration   |
|------------------------|----------------------|---------|---|--|-------------------------------|---------|----------------------------|----------------------|-------------------|---|
|                        | of<br>Compete<br>ncy | Level   |   |  | Domai<br>n/<br>Guilbe<br>rt's | у       | Method<br>s                | F                    | S                 |   |
|                        |                      |         |   |  | Level                         |         |                            |                      |                   |   |
| HomU<br>G-PM<br>I.11.1 | K&S                  | K       | Explanation of<br>autoimmune<br>disease etiology<br>and pathogenesis  | Understandin<br>g the basics of<br>autoimmune<br>diseases and<br>their<br>mechanisms | C1                            | МК      | Lecture,<br>Discuss<br>ion | MCQ                  | SAQ               | Pathology,<br>Microbiology                          |
| HomU<br>G-PM<br>I.11.2 |                      |         | Overview of<br>common<br>autoimmune<br>disorders such as<br>rheumatoid arthritis,<br>systemic lupus<br>erythematosus, and<br>multiple sclerosis | Recognition<br>of<br>autoimmune<br>diseases and<br>their clinical<br>presentations   | C1                            | МК      | Lecture,<br>Discuss<br>ion | Assignme<br>nts, MCQ | SAQ,<br>Viva voce | Pathology,<br>Microbiology,<br>Clinical<br>medicine |

| HomU   | KH | Explanation   | of  | Understandin   | C2 | МК | Proble   | Tutorials, | SAQ,      | Physiology, |
|--------|----|---------------|-----|----------------|----|----|----------|------------|-----------|-------------|
| G-PM   |    | immune        |     | g the          |    |    | m-       | MCQ        | Viva voce | pathology   |
| I.11.3 |    | dysregulation | in  | involvement    |    |    | based    |            |           |             |
|        |    | autoimmune    |     | of             |    |    | learning |            |           |             |
|        |    | disorders     |     | autoantibodie  |    |    |          |            |           |             |
|        |    |               |     | s and T cells  |    |    |          |            |           |             |
|        |    |               |     | in             |    |    |          |            |           |             |
|        |    |               |     | autoimmune     |    |    |          |            |           |             |
|        |    |               |     | pathophysiol   |    |    |          |            |           |             |
|        |    |               |     | ogy            |    |    |          |            |           |             |
| HomU   |    | Description   | of  | Identification | C2 | MK | Lecture, | Tutorials, | SAQ,      | Pathology,  |
| G-PM   |    | systemic      |     | of systemic    |    |    | Discuss  | MCQ        | Viva voce | Clinical    |
| I.11.4 |    | symptoms      | and | and organ-     |    |    | ion      |            |           | medicine    |
|        |    | organ         |     | specific       |    |    |          |            |           |             |
|        |    | involvement   | in  | manifestation  |    |    |          |            |           |             |
|        |    | autoimmune    |     | s of           |    |    |          |            |           |             |
|        |    | disorders     |     | autoimmune     |    |    |          |            |           |             |
|        |    |               |     | diseases       |    |    |          |            |           |             |

#### 6.2.4. HIV Disease-

| Sl. No.                | Domain  | Millers | Content   | SLO   | Bloo  | Priorit | T-L                                 | Assess | sment | Integration                |
|------------------------|---------|---------|---|---|-------|---------|-------------------------------------|--------|-------|----------------------------|
|                        | of      | Level   |   |   | ms    | У       | Method                              | F      | S     |                            |
|                        | Compete |         |   |   | Doma  |         | S                                   |        |       |                            |
|                        | ncy     |         |   |   | in/   |         |                                     |        |       |                            |
|                        |         |         |   |   | Guilb |         |                                     |        |       |                            |
|                        |         |         |   |   | ert's |         |                                     |        |       |                            |
|                        |         |         |   |   | Level |         |                                     |        |       |                            |
| HomU<br>G-PM<br>I.12.1 | K&S     | K       | Explanation of<br>HIV virus and its<br>transmission | Understanding the<br>basics of<br>HIV/AIDS and its<br>causative agent | C1    | МК      | Lecture,<br>Group<br>Discuss<br>ion | MCQ    | SAQ   | Pathology,<br>Microbiology |

| HomU<br>G-PM<br>I.12.2 |    | OverviewofHIVtransmissionroutessuchassexualcontact,bloodexposure,andverticaltransmission | Identify<br>common risk<br>factors and<br>modes of<br>transmission<br>for HIV<br>infection              | C1 | MK | Lecture,<br>Group<br>Discuss<br>ion          | Assignmen<br>ts, MCQ               | SAQ,<br>Viva voce | Pathology,<br>Microbiology<br>, PSM                       |
|------------------------|----|--|---|----|----|--|------------------------------------|-------------------|---|
| HomU<br>G-PM<br>I.12.3 | КН | Explanation of<br>HIV progression<br>from acute<br>infection to<br>AIDS                  | Understanding<br>the stages and<br>clinical course<br>of HIV disease                                    | C2 | МК | Lecture<br>s, case<br>based<br>learning      | Tutorials,<br>Assignmen<br>ts, MCQ | SAQ,<br>Viva voce | Clinical<br>medicine                                      |
| HomU<br>G-PM<br>I.12.4 |    | Description of<br>HIV-related<br>symptoms and<br>AIDS-defining<br>illnesses              | Identification<br>of clinical<br>features<br>suggestive of<br>HIV infection<br>and AIDS                 | C2 | МК | Worksh<br>ops,<br>Case-<br>based<br>learning | Assignmen<br>ts, MCQ               | SAQ,<br>Viva voce | Clinical<br>medicine                                      |
| HomU<br>G-PM<br>I.12.5 |    | Explanation of<br>HIV replication<br>and immune<br>depletion                             | Understand the<br>pathophysiolog<br>y of HIV<br>infection and<br>its effects on<br>the immune<br>system | C2 | DK | Lecture<br>s,<br>Group<br>Discuss<br>ion     | Assignmen<br>ts, MCQ               | SAQ,<br>Viva voce | Pathology,<br>Microbiology                                |
| HomU<br>G-PM<br>I.12.6 | SH | Description of<br>HIV prevention<br>methods and<br>harm reduction<br>approaches          | Demonstration<br>of appropriate<br>prevention<br>strategies for<br>HIV infection                        | P2 | DK | Seminar<br>s                                 | Tutorials,<br>Assignmen<br>ts, MCQ | SAQ,<br>Viva voce | Community<br>outreach<br>programs on<br>HIV<br>prevention |

# 6.2.5. Transplants and graft rejection-

| Sl. No                 | Domain               | Millers | Content  | SLO  | Blooms                              | Priorit | T-L  | Assess                             | sment             | Integration                |
|------------------------|----------------------|---------|--|--|-------------------------------------|---------|--|------------------------------------|-------------------|----------------------------|
|                        | of<br>Compete<br>ncy | Level   |  |  | Domain<br>/<br>Guilber<br>t's Level | У       | Metho<br>ds                                      | F                                  | S                 |                            |
| HomU<br>G-PM<br>I.13.1 | K&S                  | K       | Explanation of<br>transplantation<br>and immune<br>response against<br>grafts        | Understandin<br>g the basics of<br>transplantatio<br>n and graft<br>rejection        | C1                                  | MK      | Lectur<br>e,<br>Group<br>Discus<br>sion          | MCQ                                | SAQ               | Pathology,<br>Microbiology |
| HomU<br>G-PM<br>I.13.2 |                      |         | Overview of<br>different types of<br>transplants and<br>their sources                | Recognition<br>of various<br>transplantatio<br>n methods<br>and their<br>differences | C1                                  | МК      | Lectur<br>e,<br>Group<br>Discus<br>sion          | Assignmen<br>ts, MCQ               | SAQ,<br>Viva voce | Pathology,<br>Microbiology |
| HomU<br>G-PM<br>I.13.3 |                      | КН      | Explanation of<br>the alloimmune<br>response and<br>mechanisms of<br>graft rejection | Understandin<br>g the<br>immune-<br>mediated<br>rejection<br>process                 | C2                                  | МК      | Lectur<br>es,<br>case<br>based<br>learnin<br>g   | Tutorials,<br>Assignmen<br>ts, MCQ | SAQ,<br>Viva voce | Pathology,<br>Microbiology |
| HomU<br>G-PM<br>I.13.4 |                      |         | Description of<br>acute and<br>chronic rejection<br>symptoms                         | Identification<br>of clinical<br>features<br>suggestive of<br>graft rejection        | C2                                  | МК      | Works<br>hops,<br>Case-<br>based<br>learnin<br>g | Assignmen<br>ts, MCQ               | SAQ,<br>Viva voce | Pathology,<br>Microbiology |

| Sl. No.                | Domain               | Millers | Content  | SLO   | Blooms                          | Priorit | T-L   | Assess  | sment                              | Integration                       |
|------------------------|----------------------|---------|--|---|---------------------------------|---------|---|---|------------------------------------|-----------------------------------|
|                        | of<br>Compete<br>ncy | Level   |  |   | Domain/<br>Guilbert<br>'s Level | У       | Meth<br>ods   | F   | S                                  |                                   |
| HomU<br>G-PM<br>I.14.1 | K&S                  | K       | Overview of<br>factors such as<br>genetic<br>predisposition,<br>miasmatic<br>influence, and<br>constitutional<br>characteristics | Recognition<br>of factors<br>influencing<br>individual's<br>susceptibility<br>according to<br>homeopathic<br>principles         | C2                              | МК      | Lectur<br>e,<br>Group<br>Discus<br>sion                                   | Case<br>presentatio<br>ns, MCQ                      | SAQ,<br>Viva voce                  | Organon and<br>Hom.<br>Philosophy |
| HomU<br>G-PM<br>I.14.3 |                      | КН      | Description of<br>the<br>individualized<br>approach in<br>homeopathy   | Identification<br>of the<br>importance of<br>individualizat<br>ion in<br>homeopathic<br>treatment<br>based on<br>susceptibility | C2                              | МК      | Lectur<br>es,<br>Case-<br>based<br>learni<br>ng                           | Quiz<br>competitio<br>ns,<br>Tutorials              | SAQ,<br>Bedside<br>examinati<br>on | Organon and<br>Hom.<br>Philosophy |
| HomU<br>G-PM<br>I.14.4 |                      |         | Explanation of<br>homeopathic<br>remedies and<br>constitutional<br>treatment for<br>improving<br>vitality                        | Explain the<br>role of<br>homeopathic<br>treatment<br>strategies in<br>enhancing<br>immunity                                    | C2                              | DK      | Proble<br>m-<br>solvin<br>g<br>scenar<br>ios,<br>Group<br>discus<br>sions | Case<br>presentatio<br>n, Guided<br>discussion<br>s | Viva voce                          | Organon and<br>Hom.<br>Philosophy |

# 6.2.6. Homoeopathic relation of immunity and susceptibility-

| HomU   |    | Description of   | Discuss the    | C2 | DK | Group   | Tutorials, |            | Organon and |
|--------|----|------------------|----------------|----|----|---------|------------|------------|-------------|
| G-PM   |    | the principle of | concept of the |    |    | Discus  | Assignmen  |            | Hom.        |
| I.14.5 |    | similars and its | similimum in   |    |    | sions   | ts         |            | Philosophy  |
|        |    | role in          | homeopathy     |    |    |         |            |            |             |
|        |    | strengthening    | and its        |    |    |         |            |            |             |
|        |    | immunity         | relation to    |    |    |         |            |            |             |
|        |    |                  | immunity and   |    |    |         |            |            |             |
|        |    |                  | susceptibility |    |    |         |            |            |             |
| HomU   | SH | Analysis of      | Evaluation of  | P1 | DK | Patien  |            | Objective  | Organon and |
| G-PM   |    | patient          | the            |    |    | t       |            | Structured | Hom.        |
| I.14.6 |    | outcomes and     | effectiveness  |    |    | encou   |            | Clinical   | Philosophy  |
|        |    | changes in       | of             |    |    | nters - |            | Examinati  |             |
|        |    | susceptibility   | homeopathic    |    |    | OPD     |            | on         |             |
|        |    | following        | interventions  |    |    |         |            | (OSCE)     |             |
|        |    | homeopathic      | on immunity    |    |    |         |            |            |             |
|        |    | treatment        |                |    |    |         |            |            |             |

# 6.3. Competency tables for medical genetics – an introduction

6.3.1. Introduction-

| Sl. No. | Domain of      | Miller  | Content      | SLO            | Blooms               | Priorit | T-L        | Assessme    | ent  | Integration  |
|---------|----------------|---------|--------------|----------------|----------------------|---------|------------|-------------|------|--------------|
|         | Competenc<br>y | s Level |              |                | Domain/<br>Guilbert' | У       | Methods    | F           | S    |              |
|         |                |         |              |                | s Level              |         |            |             |      |              |
| HomUG   | K&S            | Κ       | Explanation  | Understanding  | C1                   | MK      | Lecture,   | MCQ         | SAQ  | Physiology,  |
| -PM     |                |         | of medical   | the definition |                      |         | Discussion |             |      | Biochemistry |
| I.15.1  |                |         | genetics and | and scope of   |                      |         |            |             |      | ,            |
|         |                |         | its scope    | medical        |                      |         |            |             |      |              |
|         |                |         |              | genetics       |                      |         |            |             |      |              |
| HomUG   |                |         | Overview of  | Identify the   | C2                   | MK      | Lecture,   | MCQ,        | Viva | Physiology,  |
| -PM     |                |         | Mendelian    | basic          |                      |         | Discussion | Assignemnts | voce | Pathology    |
| I.15.2  |                |         | principles,  | principles of  |                      |         |            |             |      |              |
|         |                |         | non-         | inheritance    |                      |         |            |             |      |              |
|         |                |         | Mendelian    |                |                      |         |            |             |      |              |
|         |                |         | inheritance, |                |                      |         |            |             |      |              |
|         |                |         | and genetic  |                |                      |         |            |             |      |              |
|         |                |         | variation    |                |                      |         |            |             |      |              |
| HomUG   |                | KH      | Explanation  | Describe the   | C2                   | MK      | Problem-   | Assignments | SAQ  | Physiology,  |
| -PM     |                |         | of DNA       | structure and  |                      |         | based      | , MCQ       | ,    | Biochemistry |
| I.15.3  |                |         | structure,   | function of    |                      |         | learning   |             |      |              |
|         |                |         | gene         | DNA and        |                      |         |            |             |      |              |
|         |                |         | expression,  | genes          |                      |         |            |             |      |              |
|         |                |         | and          |                |                      |         |            |             |      |              |
|         |                |         | regulation   |                |                      |         |            |             |      |              |

| HomUG<br>-PM |       | Description of    |             | the<br>of | C2 | MK  | Interactive | MCQ,         | SAQ  | Pathology,<br>Clinical |
|--------------|-------|-------------------|-------------|-----------|----|-----|-------------|--------------|------|------------------------|
|              |       |                   | patterns    |           |    |     | workshops   | Assignments  |      |                        |
| I.15.4       |       | inheritance       | inheritance |           |    |     | , Case-     |              |      | medicine               |
|              |       | patterns          | and gen     | etic      |    |     | based       |              |      |                        |
|              |       | (autosomal        | disorders   |           |    |     | learning    |              |      |                        |
|              |       | dominant,         |             |           |    |     |             |              |      |                        |
|              |       | autosomal         |             |           |    |     |             |              |      |                        |
|              |       | recessive, X-     |             |           |    |     |             |              |      |                        |
|              |       | linked, etc.)     |             |           |    |     |             |              |      |                        |
|              |       | and common        |             |           |    |     |             |              |      |                        |
|              |       | genetic           |             |           |    |     |             |              |      |                        |
|              |       | disorders         |             |           |    |     |             |              |      |                        |
| HomUG        |       | Explanation       | Application | 1 of      | C3 | DK  | Problem-    | Tutorials,   | SAQ  | Biochemistry           |
| -PM          |       | of genetic        |             |           |    |     | solving     | MCQ          |      | , Clinical             |
| I.15.5       |       | testing           | counseling  |           |    |     | scenarios,  |              | Viva | Medicine               |
|              |       | methods,          | principles  |           |    |     | Group       |              | voce |                        |
|              |       | indications,      | r · r · ·   |           |    |     | Discussion  |              |      |                        |
|              |       | and               |             |           |    |     | 210000000   |              |      |                        |
|              |       | implications      |             |           |    |     |             |              |      |                        |
| HomUG        | Shows | Description       | Demonstra   | tio       | P1 | DK  | Seminars    | Tutorials,   |      | Clinical               |
| -PM          | how   | of ELSI           |             | of        | 11 | DIX | Demmars     | Assignments  |      | Medicine,              |
| I.15.6       | 110 % | (ethical,         | understand  | -         |    |     |             | rissignments |      | PSM                    |
| 1.15.0       |       | •                 |             | mg        |    |     |             |              |      | 1 5101                 |
|              |       | legal, and social |             |           |    |     |             |              |      |                        |
|              |       |                   | principles  |           |    |     |             |              |      |                        |
|              |       | implications      |             |           |    |     |             |              |      |                        |
|              |       | ) issues in       |             |           |    |     |             |              |      |                        |
|              |       | clinical          |             |           |    |     |             |              |      |                        |
|              |       | practice          |             |           |    |     |             |              |      |                        |

### 6.3.2. Cytogenetics-

| Sl. No.                | Domain<br>of   | Millers<br>Level | Content  | SLO   | Blooms<br>Domain/    | Priority | T-L<br>Methods         | Assessr                 | nent         | Integratio<br>n                |
|------------------------|----------------|------------------|--|---|----------------------|----------|------------------------|-------------------------|--------------|--------------------------------|
|                        | Compete<br>ncy |                  |  |   | Guilbert<br>'s Level |          |                        | F                       | S            |                                |
| HomU<br>G-PM<br>I.16.1 | K&S            | K                | Explanation<br>of<br>cytogenetics<br>and its role in<br>studying<br>chromosome<br>s and their<br>abnormalitie<br>s   | Understanding<br>the definition<br>and scope of<br>cytogenetics                     | C1                   | МК       | Lecture,<br>Discussion | MCQ                     | SAQ          | Pathology                      |
| HomU<br>G-PM<br>I.16.2 |                |                  | Overview of<br>chromosome<br>structure,<br>function, and<br>organization   | basic structure<br>and function   | C1                   | МК       | Lecture,<br>Discussion | MCQ,<br>Assignemnt<br>s | Viva<br>voce | Biochemist<br>ry,<br>pathology |
| HomU<br>G-PM<br>I.16.3 |                | КН               | Explanation<br>of<br>cytogenetic<br>techniques<br>such as<br>karyotyping,<br>FISH, and<br>chromosoma<br>l microarray | Understanding<br>the principles<br>and<br>applications of<br>cytogenetic<br>methods | C2                   | МК       | Lecture,<br>Assgnments | Assignment<br>s, MCQ    | SAQ,         | Pathology                      |

| HomU   | Description   | Identification  | C2 | MK | Workshops,  | MCQ,       | SAQ  | Pathology  |
|--------|---------------|-----------------|----|----|-------------|------------|------|------------|
| G-PM   | of different  | and             |    |    | Case-based  | Assignment |      |            |
| I.16.4 | types of      | categorization  |    |    | learning    | S          |      |            |
|        | chromosoma    | of              |    |    |             |            |      |            |
|        | 1             | chromosomal     |    |    |             |            |      |            |
|        | abnormalitie  | abnormalities   |    |    |             |            |      |            |
|        | s (numerical  |                 |    |    |             |            |      |            |
|        | and           |                 |    |    |             |            |      |            |
|        | structural)   |                 |    |    |             |            |      |            |
|        | and their     |                 |    |    |             |            |      |            |
|        | subtypes      |                 |    |    |             |            |      |            |
|        | (e.g.,        |                 |    |    |             |            |      |            |
|        | trisomy,      |                 |    |    |             |            |      |            |
|        | translocation |                 |    |    |             |            |      |            |
|        | , deletion)   |                 |    |    |             |            |      |            |
| HomU   | Explanation   | Recognize       | C2 | MK | Interactive | Tutorials, | SAQ, | Physiology |
| G-PM   | of            | patterns of     |    |    | workshops,  | MCQ        | Viva | ,          |
| I.16.5 | inheritance   | inheritance for |    |    | Case-based  |            | voce | Biochemist |
|        | patterns for  | chromosomal     |    |    | learning    |            |      | ry,        |
|        | chromosoma    | abnormalities   |    |    |             |            |      | pathology  |
|        | 1             |                 |    |    |             |            |      |            |
|        | abnormalitie  |                 |    |    |             |            |      |            |
|        | s (e.g.,      |                 |    |    |             |            |      |            |
|        | autosomal     |                 |    |    |             |            |      |            |
|        | dominant,     |                 |    |    |             |            |      |            |
|        | autosomal     |                 |    |    |             |            |      |            |
|        | recessive, X- |                 |    |    |             |            |      |            |
|        | linked)       |                 |    |    |             |            |      |            |

# 6.3.3. Down's Syndrome-

| Sl. No.                | Domain               | Millers      | Content   | SLO   | Blooms                          | Priority | T-L                    | Assessm                                | nent                 | Integratio                |
|------------------------|----------------------|--------------|---|---|---------------------------------|----------|------------------------|--|----------------------|---------------------------|
|                        | of<br>Compete<br>ncy | Level        |   |   | Domain/<br>Guilbert<br>'s Level |          | Methods                | F                                      | S                    | n                         |
| HomU<br>G-PM<br>I.17.1 | K&S                  | K            | Explanation of<br>Down's<br>Syndrome, its<br>causes, and<br>characteristics   | Understandi<br>ng the<br>definition<br>and basic<br>features of<br>Down's<br>Syndrome | C1                              | МК       | Lecture,<br>Discussion | Quizzes,<br>Class<br>participatio<br>n | SAQ                  | Pathology                 |
| HomU<br>G-PM<br>I.17.2 |                      | КН           | Overview of<br>trisomy 21 and<br>the genetic<br>mechanisms<br>leading to<br>Down's<br>Syndrome  | Describe the<br>genetic<br>basis of<br>Down's<br>Syndrome                             | C2                              | МК       | Lecture,<br>Discussion | MCQ,<br>Assignemnt<br>s                | SAQ,<br>Viva<br>voce | Pathology                 |
| HomU<br>G-PM<br>I.17.3 |                      | Knows<br>how | Description of<br>physical<br>characteristics<br>,<br>developmental<br>delays, and<br>medical issues<br>associated<br>with Down's<br>Syndrome | Identificatio<br>n of clinical<br>features<br>suggestive<br>of Down's<br>Syndrome     | C3                              | МК       | Lecture,<br>Assgnments | Assignment<br>s, MCQ                   | SAQ,<br>MCQ          | Pathology,<br>Paediatrics |

| HomU                   | Knows        | Explanation of   | Application  | C4 | DK | Workshops   | MCQ,              | SAQ                  | Pathology,  |
|------------------------|--------------|--|--|----|----|---|-------------------|----------------------|-------------|
| G-PM                   | how          | prevalence,  | of   |    |    |   | Assignment        |                      | ObG, PSM,   |
| I.17.4                 |              | risk factors,<br>and screening<br>methods for<br>Down's<br>Syndrome  | knowledge<br>regarding<br>Down's<br>Syndrome<br>epidemiolog<br>y and risk<br>assessment                        |    |    |   | S                 |                      | Paediatrics |
| HomU<br>G-PM<br>I.17.5 | Shows<br>how | Description of<br>medical<br>interventions,<br>therapies, and<br>support<br>services for<br>individuals<br>with Down's<br>Syndrome | Discuss the<br>medical and<br>developmen<br>tal<br>managemen<br>t of<br>individuals<br>with Down's<br>Syndrome |    | DK | Interactive<br>workshops,<br>Case-based<br>learning | Tutorials,<br>MCQ | SAQ,<br>Viva<br>voce | Paediatrics |

# 6.3.4. Turner's Syndrome-

| Sl. No.                | Domain<br>of   | Millers<br>Level | Content   | SLO    | Blooms<br>Domain/    | Priority | T-L<br>Methods         | Assessm                                | nent | Integratio<br>n |
|------------------------|----------------|------------------|---|--------|----------------------|----------|------------------------|--|------|-----------------|
|                        | Compete<br>ncy |                  |   |        | Guilbert<br>'s Level |          |                        | F                                      | S    |                 |
| HomU<br>G-PM<br>I.18.1 | K&S            | K                | Explanation of<br>Turner's<br>Syndrome, its<br>causes, and<br>characteristics | ng the | C1                   | МК       | Lecture,<br>Discussion | Quizzes,<br>Class<br>participatio<br>n | SAQ  | Pathology       |

| HomU   | KH | Overview of     | Describe the  | C2 | МК | Lecture,    | MCQ,       | SAQ, | Pathology   |
|--------|----|-----------------|---------------|----|----|-------------|------------|------|-------------|
| G-PM   |    | monosomy X      | genetic       |    |    | Discussion  | Assignemnt | Viva |             |
| I.18.2 |    | and the         | basis of      |    |    |             | s          | voce |             |
|        |    | genetic         | Turner's      |    |    |             |            |      |             |
|        |    | mechanisms      | Syndrome      |    |    |             |            |      |             |
|        |    | leading to      |               |    |    |             |            |      |             |
|        |    | Turner's        |               |    |    |             |            |      |             |
|        |    | Syndrome        |               |    |    |             |            |      |             |
| HomU   |    | Description of  | Identificatio | C3 | MK | Lecture,    | Assignment | SAQ, | Pathology,  |
| G-PM   |    | physical        | n of clinical |    |    | Assgnments  | s, MCQ     | MCQ  | Paediatrics |
| I.18.3 |    | characteristics | features      |    |    |             |            |      |             |
|        |    | ,               | suggestive    |    |    |             |            |      |             |
|        |    | developmental   | of Turner's   |    |    |             |            |      |             |
|        |    | issues, and     | Syndrome      |    |    |             |            |      |             |
|        |    | medical         |               |    |    |             |            |      |             |
|        |    | conditions      |               |    |    |             |            |      |             |
|        |    | associated      |               |    |    |             |            |      |             |
|        |    | with Turner's   |               |    |    |             |            |      |             |
|        |    | Syndrome        |               |    |    |             |            |      |             |
| HomU   |    | Explanation of  | Understand    | C4 | DK | Workshops   | MCQ,       | SAQ  | Pathology,  |
| G-PM   |    | prevalence,     | the           |    |    |             | Assignment |      | ObG, PSM,   |
| I.18.4 |    | risk factors,   | epidemiolog   |    |    |             | S          |      | Paediatrics |
|        |    | and screening   | y and risk    |    |    |             |            |      |             |
|        |    | methods for     | factors for   |    |    |             |            |      |             |
|        |    | Turner's        | Turner's      |    |    |             |            |      |             |
|        |    | Syndrome        | Syndrome      |    |    |             |            |      |             |
| HomU   |    | Description of  |               | C5 | DK | Interactive | Tutorials, | SAQ, | Paediatrics |
| G-PM   |    | medical         | medical and   |    |    | workshops,  | MCQ        | Viva |             |
| I.18.5 |    | interventions,  | developmen    |    |    | Case-based  |            | voce |             |
|        |    | hormone         | tal           |    |    | learning    |            |      |             |
|        |    | therapy, and    | managemen     |    |    |             |            |      |             |
|        |    | support         | t of          |    |    |             |            |      |             |

| services for<br>individuals<br>with Turner's<br>Syndrome | individuals<br>with<br>Turner's<br>Syndrome |  |  |  |
|--|---|--|--|--|
| Syndrome   | Syndrome                                    |  |  |  |

# 6.3.5. Klinefelter's Syndrome-

| Sl. No.                | Domain<br>of   | Millers<br>Level | Content  | SLO  | Blooms<br>Domain/    | Priority | T-L<br>Methods         | Ass                                     | essment           | Integratio<br>n |
|------------------------|----------------|------------------|--|--|----------------------|----------|------------------------|---|-------------------|-----------------|
|                        | Compete<br>ncy |                  |  |  | Guilbert<br>'s Level |          |                        | F                                       | S                 |                 |
| HomU<br>G-PM<br>I.19.1 | K&S            | K                | Explanation of<br>Klinefelter's<br>Syndrome, its<br>causes, and<br>characteristics                                 | Understandin<br>g the<br>definition and<br>basic features<br>of<br>Klinefelter's<br>Syndrome | C1                   | МК       | Lecture,<br>Discussion | Quizzes<br>, Class<br>particip<br>ation | SAQ               | Pathology       |
| HomU<br>G-PM<br>I.19.2 |                | КН               | Overview of<br>aneuploidy (47,<br>XXY) and the<br>genetic<br>mechanisms<br>leading to<br>Klinefelter's<br>Syndrome | Describe the<br>genetic basis<br>of<br>Klinefelter's<br>Syndrome                             | C2                   | МК       | Lecture,<br>Discussion | MCQ,<br>Assigne<br>mnts                 | SAQ, Viva<br>voce | Pathology       |

| HomU   | Description of   | Identification | C3 | МК | Lecture,    | Assign   | SAQ, MCQ  | Pathology  |
|--------|------------------|----------------|----|----|-------------|----------|-----------|------------|
| G-PM   | physical         | of clinical    |    |    | Assgnments  | ments,   |           | ,          |
| I.19.3 | characteristics, | features       |    |    |             | MCQ      |           | Paediatric |
|        | developmental    | suggestive of  |    |    |             |          |           | S          |
|        | issues, and      | Klinefelter's  |    |    |             |          |           |            |
|        | medical          | Syndrome       |    |    |             |          |           |            |
|        | conditions       |                |    |    |             |          |           |            |
|        | associated with  |                |    |    |             |          |           |            |
|        | Klinefelter's    |                |    |    |             |          |           |            |
|        | Syndrome         |                |    |    |             |          |           |            |
| HomU   | Explanation of   | Understand     | C4 | DK | Workshops   | MCQ,     | SAQ       | Pathology  |
| G-PM   | prevalence, risk | the            |    |    |             | Assign   |           | , ObG,     |
| I.19.4 | factors, and     | epidemiology   |    |    |             | ments    |           | PSM,       |
|        | screening        | and risk       |    |    |             |          |           | Paediatric |
|        | methods for      | factors for    |    |    |             |          |           | S          |
|        | Klinefelter's    | Klinefelter's  |    |    |             |          |           |            |
|        | Syndrome         | Syndrome       |    |    |             |          |           |            |
| HomU   | Description of   | Discuss the    | C5 | DK | Interactive | Tutorial | SAQ, Viva | Paediatric |
| G-PM   | medical          | medical and    |    |    | workshops,  | s, MCQ   | voce      | S          |
| I.19.5 | interventions,   | development    |    |    | Case-based  |          |           |            |
|        | hormone          | al             |    |    | learning    |          |           |            |
|        | therapy, and     | management     |    |    |             |          |           |            |
|        | support services | of individuals |    |    |             |          |           |            |
|        | for individuals  | with           |    |    |             |          |           |            |
|        | with             | Klinefelter's  |    |    |             |          |           |            |
|        | Klinefelter's    | Syndrome       |    |    |             |          |           |            |
|        | Syndrome         |                |    |    |             |          |           |            |

# 6.3.6. Cystic Fibrosis-

| Sl. No.                | Domain               | Millers | Content  | SLO   | Blooms                          | Priorit | T-L                    | Asse                                    | essment           | Integration                            |
|------------------------|----------------------|---------|--|---|---------------------------------|---------|------------------------|---|-------------------|--|
|                        | of<br>Compete<br>ncy | Level   |  |   | Domain/<br>Guilbert'<br>s Level | У       | Methods                | F                                       | S                 |  |
| HomU<br>G-PM<br>I.20.1 | K&S                  | К       | Explanation of<br>CF, its causes,<br>and<br>characteristics                                      | Understandin<br>g the<br>definition and<br>basic features<br>of CF            | C1                              | МК      | Lecture,<br>Discussion | Quizzes<br>, Class<br>particip<br>ation | SAQ               | Pathology                              |
| HomU<br>G-PM<br>I.20.2 |                      |         | Overview of<br>mutations in<br>the CFTR gene<br>and their<br>effects on<br>chloride<br>transport | Describe the<br>genetic basis<br>of CF  | C1                              | МК      | Lecture,<br>Discussion | MCQ,<br>Assigne<br>mnts                 | SAQ, Viva<br>voce | Pathology                              |
| HomU<br>G-PM<br>I.20.3 |                      | КН      | Description of<br>respiratory,<br>digestive, and<br>other<br>symptoms<br>associated<br>with CF   | Identification<br>of clinical<br>features<br>suggestive of<br>CF              | C2                              | МК      | Lecture,<br>Assgnments | Assign<br>ments,<br>MCQ                 | SAQ, MCQ          | Pathology,<br>Paediatrics              |
| HomU<br>G-PM<br>I.20.4 |                      |         | Explanation of<br>the<br>mechanisms<br>leading to<br>mucus buildup<br>and organ<br>damage in CF  | Understandin<br>g the<br>pathophysiolo<br>gical<br>processes<br>underlying CF | C2                              | МК      | Workshops              | MCQ,<br>Assign<br>ments                 | SAQ               | Pathology,<br>ObG, PSM,<br>Paediatrics |

| HomU   | Description of  | Discuss the | C2 | DK | Interactive | Tutorial | SAQ, Viva | Paediatrics |
|--------|-----------------|-------------|----|----|-------------|----------|-----------|-------------|
| G-PM   | treatment       | medical     |    |    | workshops,  | s, MCQ   | voce      |             |
| I.20.5 | modalities      | management  |    |    | Case-based  |          |           |             |
|        | including       | of CF       |    |    | learning    |          |           |             |
|        | airway          |             |    |    |             |          |           |             |
|        | clearance       |             |    |    |             |          |           |             |
|        | techniques,     |             |    |    |             |          |           |             |
|        | medications,    |             |    |    |             |          |           |             |
|        | and nutritional |             |    |    |             |          |           |             |
|        | support         |             |    |    |             |          |           |             |

### 6.3.7. Huntington's disease-

| Sl. No. | Domain  | Millers | Content       | SLO            | Blooms            | Priori | T-L        | Asse     | essment   | Integration |
|---------|---------|---------|---------------|----------------|-------------------|--------|------------|----------|-----------|-------------|
|         | of      | Level   |               |                | Domain/           | ty     | Methods    | F        | S         |             |
|         | Compete |         |               |                | <b>Guilbert's</b> |        |            |          |           |             |
|         | ncy     |         |               |                | Level             |        |            |          |           |             |
| HomU    | K&S     | Κ       | Explanation   | Understandin   | C1                | MK     | Lecture,   | Quizze   | SAQ       | Pathology   |
| G-PM    |         |         | of HD, its    | g the          |                   |        | Discussion | s, Class |           |             |
| I.21.1  |         |         | causes, and   | definition and |                   |        |            | particip |           |             |
|         |         |         | characteristi | basic features |                   |        |            | ation    |           |             |
|         |         |         | cs            | of HD          |                   |        |            |          |           |             |
| HomU    |         |         | Overview of   | Describe the   | C1                | MK     | Lecture,   | MCQ,     | SAQ,      | Pathology   |
| G-PM    |         |         | the mutation  | genetic basis  |                   |        | Discussion | Assign   | Viva voce |             |
| I.21.2  |         |         | in the HTT    | of HD          |                   |        |            | emnts    |           |             |
|         |         |         | gene and its  |                |                   |        |            |          |           |             |
|         |         |         | inheritance   |                |                   |        |            |          |           |             |
|         |         |         | pattern       |                |                   |        |            |          |           |             |

| KH | Description<br>of motor,   | Identification<br>of clinical  | C2   | MK   | Lecture,<br>Assgnments   | Assign<br>ments,   | SAQ,<br>MCQ   | Pathology,<br>Paediatrics  |
|----|--|--|--|--|--|--|---|--|
|    | and<br>psychiatric<br>symptoms<br>associated<br>with HD                                    |  |  |  |  | MCQ  |   |  |
|    | Explanation  |  | C2   | MK   | Workshops  | -  | SAQ   | Pathology,   |
|    |  | 0  |  |  |  | -  |   | ObG, PSM,  |
|    | mechanisms<br>leading to<br>neuronal<br>dysfunction<br>and<br>degeneration<br>in HD        | processes<br>underlying<br>HD  |  |  |  |  |   | Paediatrics  |
|    |  |  | C2   | DK   |  |  |   | Psychology,  |
|    | U  |  |  |  | Seminar  |  |   | PSM  |
|    | counseling<br>services,<br>predictive<br>testing, and<br>family<br>planning<br>options for | genetic<br>counseling<br>and testing in<br>HD  |  |  |  | assign<br>ment   |   |  |
|    | KH   | of motor,<br>cognitive,<br>and<br>psychiatric<br>symptoms<br>associated<br>with HD<br>Explanation<br>of the<br>mechanisms<br>leading to<br>neuronal<br>dysfunction<br>and<br>degeneration<br>in HD<br>Explanation<br>of genetic<br>counseling<br>services,<br>predictive<br>testing, and<br>family<br>planning | ofmotor,<br>cognitive,<br>and<br>psychiatric<br>symptoms<br>associated<br>with HDofclinical<br>features<br>suggestive of<br>HDExplanation<br>ofUnderstandin<br>gthe<br>physiological<br>processes<br>underlying<br>HDExplanation<br>ofUnderstandin<br>gthe<br>physiological<br>processes<br>underlying<br>HDExplanation<br>and<br>degeneration<br>in HDExplanation<br>HDExplain the<br>importance of<br>genetic<br>counseling<br>and testing, and<br>family<br>planning<br>options for | ofmotor,<br>cognitive,<br>and<br>suggestive of<br>psychiatric<br>symptoms<br>associated<br>with HDofclinical<br>features<br>suggestive of<br>HDExplanation<br>ofUnderstandin<br>g<br>the<br>physiological<br>processes<br>underlying<br>dysfunction<br>and<br>degeneration<br>in HDC2Explanation<br>of<br>g<br>the<br>processes<br>underlyingC2Explanation<br>of<br>g<br>the<br>processes<br>underlyingC2Explanation<br>degeneration<br>in HDExplain<br>the<br>importance of<br>genetic<br>counseling<br>services,<br>predictive<br>and testing in<br>HDC2 | ofmotor,<br>cognitive,<br>and<br>suggestive of<br>psychiatric<br>symptoms<br>associated<br>with HDfeatures<br>suggestive of<br>HDExplanation<br>ofUnderstandin<br>g<br>the<br>mechanisms<br>leading<br>to<br>the g<br>processes<br>underlying<br>dysfunction<br>and<br>degeneration<br>in HDC2MKExplanation<br>of<br>g<br>the<br>mechanisms<br>leading<br>to<br>fUnderstandin<br>the<br>g<br>the<br>processes<br>underlyingC2MKExplanation<br>and<br>degeneration<br>in HDExplain the<br>importance of<br>genetic<br>services,<br>counseling<br>services,<br>predictive<br>testing, and<br>family<br>planning<br>options forC2DK | ofmotor,<br>cognitive,<br>and<br>suggestive of<br>HDAssgnmentsand<br>psychiatric<br>symptoms<br>associated<br>with HDHDAssgnmentsExplanation<br>of<br>the<br>mechanisms<br>leading to<br>neuronal<br>degeneration<br>in HDUnderstandin<br>physiological<br>processes<br>underlying<br>HDC2MKWorkshopsExplanation<br>of<br>degeneration<br>in HDUnderstandin<br>processes<br>underlying<br>HDC2MKWorkshopsExplanation<br>of<br>degeneration<br>in HDExplain the<br>importance of<br>genetic<br>counseling<br>services,<br>predictive<br>and testing in<br>testing, and<br>family<br>planning<br>options forC2DKWorkshop,<br>Seminar | ofmotor,<br>cognitive,<br>and<br>suggestive of<br>HDofclinical<br>features<br>suggestive of<br>HDAssgnmentsments,<br>MCQand<br>psychiatric<br>symptoms<br>associated<br>with HDUnderstandin<br>gC2MKWorkshopsMCQ,<br>Assign<br>mentsExplanation<br>of<br>the<br>mechanisms<br>leading to<br>neuronal<br>degeneration<br>in HDUnderstandin<br>physiological<br>processes<br>underlying<br>HDC2MKWorkshopsMCQ,<br>Assign<br>mentsExplanation<br>of<br>degeneration<br>in HDExplain the<br>importance of<br>genetic<br>counseling<br>services,<br>predictive<br>testing, and<br>family<br>planning<br>options forExplain the<br>importance of<br>geneticC2DKWorkshop,<br>SeminarTutoria<br>ls,<br>assign<br>ment | ofmotor,<br>cognitive,<br>and<br>symptoms<br>associated<br>with HDofclinical<br>features<br>suggestive of<br>HDAssgnmentsments,<br>MCQMCQExplanation<br>ofUnderstandin<br>gC2MKWorkshopsMCQ,<br>Assign<br>mentsSAQExplanation<br>of<br>the<br>mechanisms<br>leading to<br>neuronal<br>degeneration<br>in HDUnderstandin<br>processes<br>underlying<br>HDC2MKWorkshopsMCQ,<br>Assign<br>mentsSAQExplanation<br>of<br>genetic<br>counseling<br>services,<br>predictive<br>testing, and<br>family<br>planning<br>options forExplain the<br>importance of<br>genetic<br>counseling<br>and testing in<br>HDC2DKWorkshop,<br>SeminarTutoria<br>ls,<br>assign<br>ment |

#### 6.3.8. Marfan's syndrome-

| Sl. No.                | Domain               | Millers | Content  | SLO   | Blooms                          | Priorit | T-L                        | Assessn                                | nent                 | Integration                            |
|------------------------|----------------------|---------|--|---|---------------------------------|---------|----------------------------|--|----------------------|--|
|                        | of<br>Compete<br>ncy | Level   |  |   | Domain/<br>Guilbert<br>'s Level | У       | Methods                    | F                                      | S                    |  |
| HomU<br>G-PM<br>I.22.1 | K&S                  | К       | Explanation of<br>Marfan Syndrome,<br>its causes, and<br>characteristics   | Understanding<br>the definition<br>and basic<br>features of<br>Marfan<br>Syndrome               | C1                              | МК      | Lecture,<br>Discussio<br>n | Quizzes,<br>Class<br>participati<br>on | SAQ                  | Pathology                              |
| HomU<br>G-PM<br>I.22.2 |                      |         | Overview of<br>mutations in the<br>FBN1 gene and<br>their effects on<br>connective tissue  | Describe the<br>genetic basis<br>of Marfan<br>Syndrome  | C1                              | МК      | Lecture,<br>Discussio<br>n | MCQ,<br>Assignem<br>nts                | SAQ,<br>Viva<br>voce | Pathology                              |
| HomU<br>G-PM<br>I.22.3 |                      | КН      | Description of<br>skeletal,<br>cardiovascular, and<br>ocular<br>manifestations<br>associated with<br>Marfan Syndrome                   | of clinical   | C2                              | МК      | Lecture,<br>Assgnmen<br>ts | Assignme<br>nts, MCQ                   | SAQ,<br>MCQ          | Pathology,<br>Paediatrics              |
| HomU<br>G-PM<br>I.22.4 |                      |         | Explanation of the<br>mechanisms<br>leading to<br>connective tissue<br>abnormalities and<br>organ dysfunction<br>in Marfan<br>Syndrome | Understanding<br>the<br>pathophysiolo<br>gical<br>processes<br>underlying<br>Marfan<br>Syndrome | C2                              | МК      | Workshop<br>s              | MCQ,<br>Assignme<br>nts                | SAQ                  | Pathology,<br>ObG, PSM,<br>Paediatrics |

| HomU   | Description of       |             | C2 | DK | Interactive | Tutorials, | SAQ, | Paediatrics |
|--------|----------------------|-------------|----|----|-------------|------------|------|-------------|
| G-PM   | treatments           | medical     |    |    | workshops   | MCQ        | Viva |             |
| I.22.5 | including            | management  |    |    | , Case-     |            | voce |             |
|        | medications,         | of Marfan   |    |    | based       |            |      |             |
|        | surgery, and         | Syndrome    |    |    | learning    |            |      |             |
|        | lifestyle            |             |    |    | C           |            |      |             |
|        | modifications for    |             |    |    |             |            |      |             |
|        | managing Marfan      |             |    |    |             |            |      |             |
|        | Syndrome             |             |    |    |             |            |      |             |
|        | symptoms             |             |    |    |             |            |      |             |
| HomU   | Explanation of       | Explain the | C2 | DK | Workshop    | Tutorials, |      | Psychology, |
| G-PM   | genetic counseling   | ÷           |    |    | , Seminar   | assignme   |      | PSM         |
| I.22.6 | services, family     | -           |    |    |             | nts        |      |             |
|        | screening, and       | U           |    |    |             |            |      |             |
|        | prenatal testing for | 0           |    |    |             |            |      |             |
|        | Marfan Syndrome      | in Marfan   |    |    |             |            |      |             |
|        |                      | Syndrome    |    |    |             |            |      |             |

# 6.3.9. Polycystic kidney disease-

| Sl. No. | Compete | Millers | Content          | SLO            | Blooms    | Priorit | T-L       | Assessm      | ent | Integration |
|---------|---------|---------|------------------|----------------|-----------|---------|-----------|--------------|-----|-------------|
|         | ncy     | Level:  |                  |                | Domain    | У       | Methods   | F            | S   |             |
|         |         |         |                  |                | /         |         |           |              |     |             |
|         |         |         |                  |                | Guilber   |         |           |              |     |             |
|         |         |         |                  |                | t's Level |         |           |              |     |             |
| HomU    | K&S     | Κ       | Explanation of   | Understanding  | C1        | MK      | Lecture,  | Quizzes,     | SAQ | Pathology   |
| G-PM    |         |         | PKD, its causes, | the definition |           |         | Discussio | Class        |     |             |
| I.23.1  |         |         | and              | and basic      |           |         | n         | participatio |     |             |
|         |         |         | characteristics  | features of    |           |         |           | n            |     |             |
|         |         |         |                  | PKD            |           |         |           |              |     |             |

| HomU   |    | Overview of        | Describe the     | C1 | MK | Lecture,    | MCQ,       | SAQ  | Pathology   |
|--------|----|--------------------|------------------|----|----|-------------|------------|------|-------------|
| G-PM   |    | mutations in the   | genetic basis of |    |    | Discussio   | Assignemn  |      | 25          |
| I.23.2 |    | PKD1 and PKD2      |                  |    |    | n           | ts         | Viva |             |
|        |    | genes and their    |                  |    |    |             |            | voce |             |
|        |    | effects on kidney  |                  |    |    |             |            |      |             |
|        |    | development        |                  |    |    |             |            |      |             |
| HomU   | KH | Description of     | Identification   | C2 | МК | Lecture,    | Assignmen  | SAQ  | Pathology,  |
| G-PM   |    | renal and          | of clinical      |    |    | Assgnmen    | ts, MCQ    | ,    | Paediatrics |
| I.23.3 |    | extrarenal         | features         |    |    | ts          |            | MC   |             |
|        |    | manifestations     | suggestive of    |    |    |             |            | Q    |             |
|        |    | associated with    | PKD              |    |    |             |            |      |             |
|        |    | PKD                |                  |    |    |             |            |      |             |
| HomU   |    | Explanation of     | Understanding    | C2 | MK | Workshop    | MCQ,       | SAQ  | Pathology,  |
| G-PM   |    | the mechanisms     | the              |    |    | S           | Assignmen  |      | ObG, PSM,   |
| I.23.4 |    | leading to cyst    | physiological    |    |    |             | ts         |      | Paediatrics |
|        |    | formation,         | processes        |    |    |             |            |      |             |
|        |    | kidney             | underlying       |    |    |             |            |      |             |
|        |    | enlargement, and   | PKD              |    |    |             |            |      |             |
|        |    | renal dysfunction  |                  |    |    |             |            |      |             |
|        |    | in PKD             |                  |    |    |             |            |      |             |
| HomU   |    | Description of     |                  | C2 | DK | Interactive | Tutorials, | SAQ  | Paediatrics |
| G-PM   |    | treatments         | medical          |    |    | workshops   | MCQ        | ,    |             |
| I.23.5 |    | including blood    | U                |    |    | , Case-     |            | Viva |             |
|        |    | pressure control,  | PKD              |    |    | based       |            | voce |             |
|        |    | pain               |                  |    |    | learning    |            |      |             |
|        |    | management, and    |                  |    |    |             |            |      |             |
|        |    | dialysis/transplan |                  |    |    |             |            |      |             |
|        |    | tation for         |                  |    |    |             |            |      |             |
|        |    | managing PKD       |                  |    |    |             |            |      |             |
|        |    | complications      |                  |    |    |             |            |      |             |

| HomU   | Explanation of   | Explain the    | C2 | DK | Workshop  | Tutorials, | Psychology, |
|--------|------------------|----------------|----|----|-----------|------------|-------------|
| G-PM   | genetic          | importance of  |    |    | , Seminar | assignment | PSM         |
| I.23.6 | counseling       | genetic        |    |    |           | S          |             |
|        | services, family | counseling and |    |    |           |            |             |
|        | screening, and   | screening in   |    |    |           |            |             |
|        | prenatal testing | PKD            |    |    |           |            |             |
|        | for PKD          |                |    |    |           |            |             |

### 6.3.10. Neoplasia-

| Sl. No. | Domain  | Millers | Content         |     | SLO              | Blooms  | Priorit | T-L       | Assessn     | nent | Integration |
|---------|---------|---------|-----------------|-----|------------------|---------|---------|-----------|-------------|------|-------------|
|         | of      | Level   |                 |     |                  | Domai   | У       | Methods   | F           | S    |             |
|         | Compete |         |                 |     |                  | n/      |         |           |             |      |             |
|         | ncy     |         |                 |     |                  | Guilber |         |           |             |      |             |
|         |         |         |                 |     |                  | t's     |         |           |             |      |             |
|         |         |         |                 |     |                  | Level   |         |           |             |      |             |
| HomU    | K&S     | Κ       | Explanation     | of  | Understanding    | C1      | MK      | Lecture,  | Quizzes,    | SAQ  | Pathology   |
| G-PM    |         |         | neoplasia,      | its | the definition   |         |         | Discussio | Class       |      |             |
| I.24.1  |         |         | definition,     | and | and basic        |         |         | n         | participati |      |             |
|         |         |         | characteristics |     | features of      |         |         |           | on          |      |             |
|         |         |         |                 |     | neoplasia        |         |         |           |             |      |             |
| HomU    |         |         | Overview        | of  | Recognition of   | C1      | MK      | Lecture,  | MCQ,        | SAQ, | Pathology   |
| G-PM    |         |         | benign          | and | different types  |         |         | Discussio | Assignem    | Viva |             |
| I.24.2  |         |         | malignant       |     | of neoplasms     |         |         | n         | nts         | voce |             |
|         |         |         | neoplasms,      |     | based on         |         |         |           |             |      |             |
|         |         |         | including       |     | histological and |         |         |           |             |      |             |
|         |         |         | carcinomas,     |     | molecular        |         |         |           |             |      |             |
|         |         |         | sarcomas,       | and | characteristics  |         |         |           |             |      |             |
|         |         |         | hematologic     |     |                  |         |         |           |             |      |             |
|         |         |         | malignancies    |     |                  |         |         |           |             |      |             |

| HomU   | KH | Description of the    | Understanding     | C2 | MK   | Lecture,    | Assignme   | SAQ, | Pathology |
|--------|----|-----------------------|-------------------|----|------|-------------|------------|------|-----------|
| G-PM   |    | multistep process     | the molecular     | 02 | WIIX | Assgnmen    | nts, MCQ   | MCQ  | 1 amology |
| I.24.3 |    | of carcinogenesis,    | and cellular      |    |      | ts          |            | meg  |           |
| 1.24.5 |    | including initiation, | events leading    |    |      | 15          |            |      |           |
|        |    | promotion, and        | to the            |    |      |             |            |      |           |
|        |    | progression           | development of    |    |      |             |            |      |           |
|        |    | progression           | cancer            |    |      |             |            |      |           |
| HomU   |    | Identification of     | Recognition of    | C2 | MK   | Workshop    | MCQ,       | SAQ  | PSM,      |
| G-PM   |    | environmental,        | modifiable and    | 02 |      | s           | Assignme   | 5    | Clinical  |
| I.24.4 |    | genetic, and          | non-modifiable    |    |      | 5           | nts        |      | medicine  |
| 1.2    |    | lifestyle factors     | risk factors for  |    |      |             | 1105       |      | mearenie  |
|        |    | contributing to       | cancer            |    |      |             |            |      |           |
|        |    | cancer risk           |                   |    |      |             |            |      |           |
| HomU   |    | Description of        | Discuss the       | C2 | DK   | Interactive | Tutorials, | SAQ, | PSM,      |
| G-PM   |    | screening tests and   | principles of     |    |      | workshops   | MCQ        | Viva | Clinical  |
| I.24.5 |    | preventive            | cancer            |    |      | , Case-     | _          | voce | medicine  |
|        |    | measures for          | screening and     |    |      | based       |            |      |           |
|        |    | various types of      | prevention        |    |      | learning    |            |      |           |
|        |    | cancer                | •                 |    |      |             |            |      |           |
| HomU   |    | Description of        | Identification of | C2 | MK   | Interactive | Tutorials, | SAQ, | Clinical  |
| G-PM   |    | common signs and      | clinical features |    |      | workshops   | MCQ        | Viva | medicine  |
| I.24.6 |    | symptoms              | suggestive of     |    |      | , Case-     |            | voce |           |
|        |    | associated with       | cancer            |    |      | based       |            |      |           |
|        |    | cancer, including     |                   |    |      | learning    |            |      |           |
|        |    | pain, weight loss,    |                   |    |      |             |            |      |           |
|        |    | and fatigue           |                   |    |      |             |            |      |           |

| HomU   |  | Explanation   | of     | Discuss    | the | C2 | DK | Assignme | Tutorials, | SAQ, | Clinical   |
|--------|--|---------------|--------|------------|-----|----|----|----------|------------|------|------------|
| G-PM   |  | diagnostic    | tests  | diagnostic |     |    |    | nts      | MCQ        | Viva | Medicine,  |
| I.24.7 |  | such as im    | aging, | workup     | for |    |    |          |            | voce | Radiology, |
|        |  | biopsy, and   | tumor  | cancer     |     |    |    |          |            |      | Laboratory |
|        |  | markers use   | d in   |            |     |    |    |          |            |      | medicine,  |
|        |  | cancer diagno | osis   |            |     |    |    |          |            |      | Pathology  |
|        |  |               |        |            |     |    |    |          |            |      |            |

# 6.4. Competency Tables for Infectious Diseases and Tropical Diseases

| Sl. No.                | Domain of      | Miller     | Content  | SLO  | Blooms                          | Priorit | T-L   | Assessm   | ent  | Integration   |
|------------------------|----------------|------------|--|--|---------------------------------|---------|---|---|--|---|
|                        | Competenc<br>y | s<br>Level |  |  | Domain/<br>Guilbert'<br>s Level | У       | Methods   | F   | S  |   |
| HomUG<br>-PM<br>I.25.1 | K&S            | К          | Herpes<br>simplex<br>viruses [HSV]<br>infections | Define Herpes<br>simplex viruses<br>[HSV] infections           | C1                              | МК      | Lecture,<br>Multimedia<br>presentatio<br>n, Case<br>Based | MCQ,<br>Quiz, Case<br>Based,<br>Morpholog<br>y Chart,<br>Viva | LQ,<br>SQ,<br>MCQ<br>, Case<br>Based<br>, Viva | Pathology,<br>Community<br>Medicine,<br>Paediatrics,<br>Dermatolog<br>y |
|                        |                |            |  | Discuss<br>etiopathogeneis<br>for HSV<br>Infections            | C2                              | МК      | Lecture,<br>Case Based                                    |   |  |   |
|                        |                |            |  | Identify the<br>epidemiology<br>dimension of<br>HSV Infections | C2                              | МК      | Lecture,<br>field visit                                   |   |  | Community<br>Medicine   |
|                        |                |            |  | Explain how<br>HSV Infections                                  | C2                              | МК      | Lecture,<br>field visit                                   |   |  | Community<br>Medicine   |

|    | spreads from   |    |                        |           |
|----|--|----|------------------------|-----------|
|    | person to person   |    |                        |           |
|    | Describe the C2<br>different clinical<br>spectrum of HSV<br>Infections   | МК | Lecture,<br>Case Based |           |
|    | State the C1<br>investigations to<br>be done for the<br>patient suffering<br>from different<br>clinical spectrum<br>of HSV<br>Infections | МК | Lecture,<br>Case Based | Pathology |
| КН | Enumerate the C1<br>diagnostic<br>features for HSV<br>Infections   | МК | Lecture,<br>Case Based |           |
|    | DescribetheC2differentialdiagnosisofHSV Infections   | МК | Lecture,<br>Case Based |           |
| К  | Describe the C2<br>potential<br>complications of<br>HSV Infections   |    | Lecture,<br>Case Based |           |
| КН | DiscusstheC2prognosisofHSV Infections  | МК | Lecture,<br>Case Based |           |

|                        |     | K  |  | Summarize the<br>treatment and<br>management<br>options for HSV<br>Infections<br>Enumerate the | C2<br>C1 | MK<br>MK | Lecture,<br>Case Based<br>Lecture,                        |   |  | Organon<br>Materia   |
|------------------------|-----|----|--|--|----------|----------|---|---|--|--|
|                        |     | K  |  | indications of<br>homoeopathic<br>medicines for the<br>HSV Infections                          | CI       | MIK      | Case Based  |   |  | Medica   |
|                        |     | КН |  | DescribethestrategiestopreventHSVInfectionstransmission  | C2       | МК       | Lecture,<br>Case Based                                    |   |  | Community<br>Medicine  |
| HomUG<br>-PM<br>I.25.2 | K&S | К  | Varicella-<br>zoster virus<br>(VZV)<br>infection | Define Varicella-<br>zoster virus<br>infection (VZV)   | C1       | МК       | Lecture,<br>Multimedia<br>presentatio<br>n, Case<br>Based | MCQ,<br>Quiz, Case<br>Based,<br>Morpholog<br>y Chart,<br>Viva | LQ,<br>SQ,<br>MCQ<br>, Case<br>Based<br>, Viva | Pathology,<br>Community<br>Medicine,<br>Pediatrics,<br>Dermatolog<br>y |
|                        |     |    |  | Discuss<br>etiopathogeneis<br>for Varicella-<br>zoster virus<br>(VZV) infection                | C2       | МК       | Lecture,<br>Case Based                                    |   |  |  |
|                        |     |    |  | Identify the<br>epidemiology<br>dimension of<br>Varicella-zoster<br>virus (VZV)<br>infection   | C2       | МК       | Lecture,<br>field visit                                   |   |  | Community<br>Medicine  |

|    | Explain how        | C2  | MK    | Lecture,    | Community |
|----|--------------------|-----|-------|-------------|-----------|
|    | Varicella-zoster   |     |       | field visit | Medicine  |
|    | virus (VZV)        |     |       |             |           |
|    | infection spreads  |     |       |             |           |
|    | from person to     |     |       |             |           |
|    | person             |     |       |             |           |
|    | Describe the       | C2  | MK    | Lecture,    |           |
|    | different clinical |     |       | Case Based  |           |
|    | spectrum of        |     |       |             |           |
|    | Varicella-zoster   |     |       |             |           |
|    | virus (VZV)        |     |       |             |           |
|    | infection          |     |       |             |           |
|    | State the          | C1  | MK    | Lecture,    | Pathology |
|    | investigations to  |     |       | Case Based  |           |
|    | be done for the    |     |       |             |           |
|    | patient suffering  |     |       |             |           |
|    | from Varicella-    |     |       |             |           |
|    | zoster virus       |     |       |             |           |
|    | (VZV) infection    | ~ . |       |             |           |
| KH | Enumerate the      | C1  | MK    | Lecture,    |           |
|    | diagnostic         |     |       | Case Based  |           |
|    | features for       |     |       |             |           |
|    | Varicella-zoster   |     |       |             |           |
|    | virus (VZV)        |     |       |             |           |
|    | infection          |     | 1 617 | <b>.</b>    |           |
|    | Describe the       | C2  | MK    | Lecture,    |           |
|    | differential       |     |       | Case Based  |           |
|    | diagnosis of       |     |       |             |           |
|    | Varicella-zoster   |     |       |             |           |
|    | virus (VZV)        |     |       |             |           |
|    | infection          |     |       |             |           |

|   | Describe       | the   | C2 | MK | Lecture,   |         |
|---|----------------|-------|----|----|------------|---------|
|   | potential      |       | 0- |    | Case Based |         |
|   | complication   | IS    |    |    |            |         |
|   |                | from  |    |    |            |         |
|   | Varicella-zos  |       |    |    |            |         |
|   |                | ZV)   |    |    |            |         |
|   | infection as   |       |    |    |            |         |
|   |                | erent |    |    |            |         |
|   | clinical spect |       |    |    |            |         |
|   | Discuss        | the   | C2 | MK | Lecture,   |         |
|   | prognosis      | of    |    |    | Case Based |         |
|   | different clin | nical |    |    |            |         |
|   | spectrum       | of    |    |    |            |         |
|   | Varicella-zos  | ster  |    |    |            |         |
|   | virus (V       | ZV)   |    |    |            |         |
|   | infection      |       |    |    |            |         |
|   | Summarize      | the   | C2 | MK | Lecture,   | Organon |
|   | treatment      | and   |    |    | Case Based |         |
|   | management     |       |    |    |            |         |
|   | options        | for   |    |    |            |         |
|   | different clin |       |    |    |            |         |
|   | spectrum       | of    |    |    |            |         |
|   | Varicella-zos  |       |    |    |            |         |
|   |                | ZV)   |    |    |            |         |
|   | infection      |       |    |    |            |         |
| K | Enumerate      | the   | C1 | MK | Lecture,   | Materia |
|   | indications    | of    |    |    | Case Based | Medica  |
|   | homoeopathi    |       |    |    |            |         |
|   | medicines      | for   |    |    |            |         |
|   | different clin |       |    |    |            |         |
|   | spectrum       | of    |    |    |            |         |
|   | Varicella-zos  | ster  |    |    |            |         |

|                        |     | КН |   | virus (VZV)<br>infection the<br>Describe the<br>strategies to<br>prevent Varicella-zoster<br>virus (VZV)<br>infection | C2 | МК | Lecture,<br>Case Based  |                    |                             | Community<br>Medicine  |
|------------------------|-----|----|---|---|----|----|---|--------------------|-----------------------------|--|
| HomUG<br>-PM<br>I.25.3 | K&S | K  | Epstein-Barr<br>virus [EBV]<br>Infections | Define EBV<br>Infections  | C1 | МК | Lecture,<br>Multimedia<br>presentatio<br>n,<br>Assignmen<br>t -<br>Literature<br>Review | MCQ,<br>Quiz, Viva | LQ,<br>SQ,<br>MCQ<br>, Viva | Pathology,<br>Community<br>Medicine,<br>Pediatrics,<br>Dermatolog<br>y |
|                        |     |    |   | Discuss<br>etiopathogeneis<br>for EBV<br>Infections   | C2 | МК | Lecture   |                    |                             |  |
|                        |     |    |   | Identify the<br>epidemiology<br>dimension of<br>EBV Infections  | C2 | МК | Lecture,<br>field visit   |                    |                             | Community<br>Medicine  |
|                        |     |    |   | ExplainhowEBVInfectionsspreadsfromperson to person  | C2 | МК | Lecture,<br>field visit   |                    |                             | Community<br>Medicine  |

|    | Describe the C2   | MK   | Lecture |           |
|----|-------------------|------|---------|-----------|
|    | clinical          | MIK  | Lecture |           |
|    |                   |      |         |           |
|    | presentations of  |      |         |           |
|    | EBV Infections -  |      |         |           |
|    | infectious        |      |         |           |
|    | mononucleosis     |      |         |           |
|    | State the C1      | MK   | Lecture | Pathology |
|    | investigations to |      |         |           |
|    | be done for the   |      |         |           |
|    | patient suffering |      |         |           |
|    | from EBV          |      |         |           |
|    | Infections        |      |         |           |
| KH | Enumerate the C1  | MK   | Lecture |           |
|    | diagnostic        |      |         |           |
|    | features for EBV  |      |         |           |
|    | Infections        |      |         |           |
|    | Describe the C2   | MK   | Lecture |           |
|    | differential      |      |         |           |
|    | diagnosis of      |      |         |           |
|    | EBV Infections    |      |         |           |
| K  | Describe the C2   | MK   | Lecture |           |
| IX | potential         | WIIX | Lecture |           |
|    | complications of  |      |         |           |
|    | EBV Infections    |      |         |           |
| KH | Discuss the C2    | MK   | Lecture |           |
| КП |                   | MIK  | Lecture |           |
|    | 1 0               |      |         |           |
|    | EBV Infections    |      | T       |           |
|    | Summarize the C2  | MK   | Lecture | Organon   |
|    | treatment and     |      |         |           |
|    | management        |      |         |           |
|    | options for EBV   |      |         |           |
|    | Infections        |      |         |           |

|                        |                                | K<br>KH  | _                                  | Enumerate the<br>indications of<br>homoeopathic<br>medicines for the<br>EBV Infections<br>Describe the | C1<br>C2               | MK  | Lecture                 |                             |  | Materia<br>Medica<br>Community |
|------------------------|--------------------------------|--|------------------------------------|--|------------------------|---|-------------------------|-----------------------------|--|--------------------------------|
|                        |                                |  |                                    | strategies to<br>prevent EBV<br>Infections<br>transmission   |                        |   |                         |                             |  | Medicine                       |
| HomUG<br>-PM<br>I.25.4 | K&S K Poliovirus<br>Infections |  | Define<br>Poliovirus<br>Infections | C1   | DK                     | Lecture,<br>Multimedia<br>presentatio<br>n,<br>Assignmen<br>t -<br>Literature<br>Review | MCQ,<br>Quiz, Viva      | LQ,<br>SQ,<br>MCQ<br>, Viva | Pathology,<br>Community<br>Medicine,<br>Pediatrics,<br>Dermatolog<br>y |                                |
|                        |                                |  |                                    | Discuss<br>etiopathogeneis<br>for Poliovirus<br>Infections   | C2                     | DK  | Lecture,<br>Case Based  |                             |  |                                |
|                        |                                |  |                                    | Identify the<br>epidemiology<br>dimension of<br>Poliovirus<br>Infections                               | C2                     | DK  | Lecture,<br>field visit |                             |  | Community<br>Medicine          |
|                        |                                | DescribetheclinicalpresentationsofPoliovirusInfections | C2                                 | DK   | Lecture,<br>Case Based |   |                         |                             |  |                                |

|    | State the C1      | DK | Lecture,   | Pathology |
|----|-------------------|----|------------|-----------|
|    | investigations to |    | Case Based |           |
|    | be done for the   |    |            |           |
|    | patient suffering |    |            |           |
|    | from Poliovirus   |    |            |           |
|    | Infections        |    |            |           |
| KH | Enumerate the C1  | DK | Lecture,   |           |
|    | diagnostic        |    | Case Based |           |
|    | features for      |    |            |           |
|    | Poliovirus        |    |            |           |
|    | Infections        |    |            |           |
|    | Describe the C2   | DK | Lecture,   |           |
|    | differential      |    | Case Based |           |
|    | diagnosis of      |    |            |           |
|    | Poliovirus        |    |            |           |
|    | Infections        |    |            |           |
| Κ  | Describe the C2   | DK | Lecture,   |           |
|    | potential         |    | Case Based |           |
|    | complications of  |    |            |           |
|    | Poliovirus        |    |            |           |
|    | Infections        |    |            |           |
| KH | Discuss the C2    | DK | Lecture,   |           |
|    | prognosis of      |    | Case Based |           |
|    | Poliovirus        |    |            |           |
|    | Infections        |    |            |           |
|    | Summarize the C2  | DK | Lecture,   | Organon,  |
|    | treatment and     |    | Case Based | Immunolog |
|    | management        |    |            | У         |
|    | options for       |    |            |           |
|    | Poliovirus        |    |            |           |
|    | Infections        |    |            |           |

|                        |     | К            |                | Enumerate the<br>indications of<br>homoeopathic<br>medicines for the<br>Poliovirus<br>Infections | C1 | DK  | Lecture,<br>Case Based                                |                                      |   | Materia<br>Medica                        |
|------------------------|-----|--------------|----------------|--|----|---|---|--------------------------------------|---|--|
|                        |     | КН           |                | DescribethestrategiestopreventreventPoliovirusreventInfectionsransmission                        | C2 | МК  | Lecture,<br>Case Based                                |                                      |   | Community<br>Medicine,<br>Immunolog<br>y |
| HomUG<br>-PM<br>I.25.5 | -PM | kS K Measles | Define Measles | C1   | МК | Lecture,<br>Multimedia<br>presentatio<br>n, Case<br>Based | MCQ,<br>Quiz, Case<br>Based,<br>Morpholog<br>y Chart, | LQ,<br>SQ,<br>MCQ<br>, Case<br>Based | Pathology,<br>Virology<br>Community<br>Medicine |  |
|                        |     |              |                | Discuss<br>etiopathogeneis<br>for measles  | C2 | MK  | Lecture,<br>Case Based                                | Viva                                 | , Viva  |  |
|                        |     |              |                | Identify the<br>epidemiology<br>dimension of<br>measles  | C2 | МК  | Lecture,<br>field visit                               |                                      |   | Community<br>Medicine                    |
|                        |     |              |                | ExplainhowmeaslesInfectionsspreadsfromperson to person   | C2 | МК  | Lecture,<br>field visit                               |                                      |   | Community<br>Medicine                    |
|                        |     |              |                | Describe the clinical features of measles  | C2 | MK  | Lecture,<br>Case Based                                |                                      |   |  |

| КН | State the<br>investigations to<br>be done for the<br>patient suffering<br>from Measles<br>Enumerate the<br>diagnostic<br>features for |    | MK<br>MK | Lecture,<br>Case Based<br>Lecture,<br>Case Based | Pathology                  |
|----|---|----|----------|--|----------------------------|
| K  | TeaturesTorMeaslesDescribepotentialcomplicationsofmeasles   | C2 | МК       | Lecture,<br>Case Based                           |                            |
| KH | Describe the<br>differential<br>diagnosis of<br>measles   | C2 | МК       | Lecture,<br>Case Based                           |                            |
|    | Discuss the<br>prognosis of<br>Measles  | C2 | МК       | Lecture,<br>Case Based                           |                            |
|    | Summarize the<br>treatment and<br>management<br>options for<br>Measles  | C2 | МК       | Lecture,<br>Case Based                           | Organon,<br>Immunolog<br>y |
| K  | Enumerate the<br>indications of<br>homoeopathic<br>medicines for the<br>Measles   | C1 | МК       | Lecture,<br>Case Based                           | Materia<br>Medica          |

|                              |   | KH  |  | Describe the<br>strategies to<br>prevent Measles                       | C1                      | МК  | Lecture,<br>Case Based                                |                                      |   | Community<br>Medicine,<br>Immunolog |
|------------------------------|---|---|--|--|-------------------------|---|---|--------------------------------------|---|-------------------------------------|
| HomUG K&S K<br>-PM<br>I.25.6 | K | Mumps   | Define Mumps   | C1   | МК                      | Lecture,<br>Multimedia<br>presentatio<br>n, Case<br>Based | MCQ,<br>Quiz, Case<br>Based,<br>Morpholog<br>y Chart, | LQ,<br>SQ,<br>MCQ<br>, Case<br>Based | Pathology,<br>Virology<br>Community<br>Medicine |                                     |
|                              |   |   |  | Discuss<br>etiopathogeneis<br>for Mumps                                | C2                      | MK  | Lecture,<br>Case Based                                | Viva                                 | , Viva  |                                     |
|                              |   | Identify the<br>epidemiology<br>dimension of<br>mumps | C2   | МК   | Lecture,<br>field visit |   |   | Community<br>Medicine                |   |                                     |
|                              |   |   |  | Explain how<br>mumps<br>infections<br>spreads from<br>person to person | C2                      | МК  | Lecture,<br>field visit                               |                                      |   | Community<br>Medicine               |
|                              |   |   | Describe the<br>clinical<br>manifestations of<br>Mumps                               | C2   | МК                      | Lecture,<br>Case Based                                    |   |                                      |   |                                     |
|                              |   |   | State the<br>investigations to<br>be done for the<br>patient suffering<br>from Mumps | C1   | МК                      | Lecture,<br>Case Based                                    |   |                                      | Pathology                                       |                                     |

| KH | EnumeratethediagnosticfeaturesforMumpsDescribethe                             | C1<br>C2 | MK | Lecture,<br>Case Based<br>Lecture, |  |
|----|---|----------|----|------------------------------------|--|
|    | potential<br>complications of<br>Mumps  |          |    | Case Based                         |  |
| КН | Describe the<br>differential<br>diagnosis of<br>Mumps                         | C2       | МК | Lecture,<br>Case Based             |  |
|    | DiscusstheprognosisofMumps  | C2       | MK | Lecture,<br>Case Based             |  |
|    | SummarizethetreatmentandmanagementoptionsoptionsforMeasles                    | C2       | МК | Lecture,<br>Case Based             | Organon,<br>Immunolog<br>y               |
| K  | Enumerate the<br>indications of<br>homoeopathic<br>medicines for the<br>Mumps | C1       | МК | Lecture,<br>Case Based             | Materia<br>Medica                        |
| К  | Describe the<br>strategies to<br>prevent Mumps                                | C1       | МК | Lecture,<br>Case Based             | Community<br>Medicine,<br>Immunolog<br>y |

| HomUG  | K&S | K               | Rabies        | Define Rabies      | C1  | DK      | Lecture,    | MCQ,       | SQ,       | Pathology, |
|--------|-----|-----------------|---------------|--------------------|-----|---------|-------------|------------|-----------|------------|
| -PM    |     |                 |               |                    |     |         | Multimedia  | Quiz, Viva | MCQ       | Virology   |
| I.25.7 |     |                 |               |                    |     |         | presentatio |            | , Viva    | Community  |
|        |     |                 |               |                    |     |         | n,          |            |           | Medicine   |
|        |     |                 |               |                    |     |         | Assignmen   |            |           |            |
|        |     |                 |               |                    |     |         | t -         |            |           |            |
|        |     |                 |               |                    |     |         | Literature  |            |           |            |
|        |     |                 |               |                    |     |         | Review      |            |           |            |
|        |     |                 |               | Discuss            | C2  | DK      | Lecture     |            |           | -          |
|        |     | etiopathogeneis | -             |                    |     |         |             |            |           |            |
|        |     |                 |               | for Rabies         |     |         |             |            |           |            |
|        |     |                 |               | Identify the       | C2  | DK      | Lecture     | -          |           | Community  |
|        |     |                 |               | epidemiology       |     |         |             |            |           | Medicine   |
|        |     |                 |               | dimension of       |     |         |             |            |           | liteurenie |
|        |     |                 | mumps         |                    |     |         |             |            |           |            |
|        |     |                 | Explain how   | C2                 | DK  | Lecture |             |            | Community |            |
|        |     |                 |               | rabies infections  | 02  |         | Loctare     |            |           | Medicine   |
|        |     |                 |               | spreads from       |     |         |             |            |           | Wiedleine  |
|        |     |                 |               | person to person   |     |         |             |            |           |            |
|        |     |                 |               | Describe the       | C2  | DK      | Lecture     |            |           |            |
|        |     |                 |               | different clinical | C2  | DK      | Lecture     |            |           |            |
|        |     |                 |               | sprectrum of       |     |         |             |            |           |            |
|        |     |                 |               | Rabies             |     |         |             |            |           |            |
|        |     |                 |               |                    | C1  | DK      | Lastaria    |            |           | Dathalass  |
|        |     |                 |               |                    | CI  | DK      | Lecture     |            |           | Pathology  |
|        |     |                 |               | investigations to  |     |         |             |            |           |            |
|        |     |                 |               | be done for the    |     |         |             |            |           |            |
|        |     |                 |               | patient suffering  |     |         |             |            |           |            |
|        |     |                 | _             | from Rabies        | ~ 1 |         | -           | -          |           |            |
|        |     |                 | Enumerate the | C1                 | DK  | Lecture |             |            |           |            |
|        |     | KH              |               | diagnostic         |     |         |             |            |           |            |
|        |     |                 |               | features for       |     |         |             |            |           |            |
|        |     |                 | different     |                    |     |         |             |            |           |            |

|                        |     |    |                           | spectrum of<br>Rabies  |    |    |                                       |                    |                   |  |
|------------------------|-----|----|---------------------------|--|----|----|---------------------------------------|--------------------|-------------------|--|
|                        |     | К  |                           | Describe the<br>potential<br>complications of<br>Rabies                        | C2 | DK | Lecture                               |                    |                   |  |
|                        |     | КН |                           | Describe the<br>differential<br>diagnosis of<br>Rabies                         | C2 | DK | Lecture                               |                    |                   |  |
|                        |     |    |                           | Discuss the<br>prognosis of<br>Rabies  | C2 | DK | Lecture                               |                    |                   |  |
|                        |     |    |                           | SummarizethetreatmentandmanagementoptionsforforRabiesbecomes                   | C2 | DK | Lecture                               |                    |                   | Organon,<br>Immunolog<br>y               |
|                        |     | K  |                           | Enumerate the<br>indications of<br>homoeopathic<br>medicines for the<br>Rabies | C1 | DK | Lecture                               |                    |                   | Materia<br>Medica                        |
|                        |     | К  |                           | Describe the<br>strategies to<br>prevent Rabies                                | C1 | DK | Lecture                               |                    |                   | Community<br>Medicine,<br>Immunolog<br>y |
| HomUG<br>-PM<br>I.25.8 | K&S | K  | Dengue Virus<br>Infection | Define Dengue  | C1 | МК | Lecture,<br>Multimedia<br>presentatio | MCQ,<br>Quiz, Case | LQ,<br>SQ,<br>MCQ | Pathology,<br>Virology,                  |

|    |  |    |    | n, Case<br>Based        | based,<br>Viva | Case<br>Based<br>Viva | Community<br>Medicine |           |
|----|--|----|----|-------------------------|----------------|-----------------------|-----------------------|-----------|
|    | Discuss<br>etiopathogeneis<br>for dengue<br>infection  | C2 | МК | Lecture,<br>Case Based  |                | viva                  |                       |           |
|    | Identify the<br>epidemiology<br>dimension of<br>dengue infection                                   | C2 | MK | Lecture,<br>field visit |                |                       | Community<br>Medicine |           |
|    | State the risk<br>factors and high<br>risk patients for<br>dengue infection                        | C1 | МК | Lecture,<br>Case Based  |                |                       |                       |           |
|    | Describe the<br>different clinical<br>spectrum of<br>dengue infection                              | C2 | МК | Lecture,<br>Case Based  |                |                       |                       |           |
|    | State the<br>investigations to<br>be done for the<br>patient suffering<br>from Dengue<br>infection | C1 | МК | Lecture,<br>Case Based  |                |                       |                       | Pathology |
| KH | Enumerate the diagnostic features for dengue infection   | C1 | МК | Lecture,<br>Case Based  |                |                       |                       |           |

| K  | I | Describe        | the   | C2 | МК | Lecture,   |           |
|----|---|-----------------|-------|----|----|------------|-----------|
|    | C | complication    | is of |    |    | Case Based |           |
|    |   | lengue          |       |    |    |            |           |
|    | i | nfections as    | s per |    |    |            |           |
|    |   |                 | erent |    |    |            |           |
|    | c | clinical spect  | trum  |    |    |            |           |
| KH |   | Describe        | the   | C2 | MK | Lecture,   |           |
|    | Ċ | lifferential    |       |    |    | Case Based |           |
|    | Ċ | liagnosis       | of    |    |    |            |           |
|    |   | lengue infec    | tion  |    |    |            |           |
|    |   | Discuss         | the   | C2 | MK | Lecture,   |           |
|    | r | orognosis       | of    |    |    | Case Based |           |
|    |   | lengue infe     | ction |    |    |            |           |
|    |   | as per          | the   |    |    |            |           |
|    | Ċ | lifferent clin  | nical |    |    |            |           |
|    | s | spectrum        |       |    |    |            |           |
|    | S | Summarize       | the   | C2 | MK | Lecture,   | Organon   |
|    | t | reatment        | and   |    |    | Case Based |           |
|    | r | nanagement      |       |    |    |            |           |
|    | C | options         | for   |    |    |            |           |
|    | Ċ | lengue infec    | tion  |    |    |            |           |
| Κ  | H | Enumerate       | the   | C1 | MK | Lecture,   | Materia   |
|    | i | ndications      | of    |    |    | Case Based | Medica    |
|    | ł | nomoeopathi     | ic    |    |    |            |           |
|    | r | nedicines fo    | r the |    |    |            |           |
|    | Ċ | lengue          |       |    |    |            |           |
|    |   | nfections as    | s per |    |    |            |           |
|    |   |                 | erent |    |    |            |           |
|    |   | clinical spect  | trum  |    |    |            |           |
| K  | Ι | Describe        | the   | C1 | MK | Lecture,   | Community |
|    |   | preventive stre |       |    |    | Case Based | Medicine  |
|    |   | or the dended   | engue |    |    |            |           |
|    | 1 | mection         |       |    | 1  |            |           |

| HomUG<br>-PM<br>I.25.9 | -PM er<br>I.25.9 vi | Japanese<br>encephalitis<br>virus [JEV]<br>Infection | Define JEV<br>Infection | C1  | NK | Lecture,<br>Multimedia<br>presentatio<br>n,<br>Assignmen<br>t -<br>Literature<br>Review | MCQ,<br>Quiz, Viva | SQ,<br>MCQ<br>, Viva | Pathology,<br>Virology,<br>Community<br>Medicine |                       |
|------------------------|---------------------|--|-------------------------|---|----|---|--------------------|----------------------|--|-----------------------|
|                        |                     |  |                         | Discuss<br>etiopathogeneis<br>for JEV infection   | C2 | NK  | Lecture            |                      |  |                       |
|                        |                     |  |                         | Identify the<br>epidemiology<br>dimension of<br>JEV infection                                   | C2 | NK  | Lecture            |                      |  | Community<br>Medicine |
|                        |                     |  |                         | Explain how JEV<br>infections<br>spreads from<br>person to person                               | C2 | NK  | Lecture            |                      |  | Community<br>Medicine |
|                        |                     |  |                         | Describe the<br>different clinical<br>sprectrum of JEV<br>infection                             | C2 | NK  | Lecture            |                      |  |                       |
|                        |                     |  |                         | State the<br>investigations to<br>be done for the<br>patient suffering<br>from JEV<br>infection | C1 | NK  | Lecture            |                      |  | Pathology             |

| KH<br>K | Enumerate the<br>diagnostic<br>features for<br>different<br>spectrum of JEV<br>infection<br>Describe the |    | NK | Lecture |                       |
|---------|--|----|----|---------|-----------------------|
|         | potential<br>complications of<br>JEV infection   |    |    |         |                       |
| КН      | Describe the<br>differential<br>diagnosis of JEV<br>infection  | C2 | NK | Lecture |                       |
|         | Discuss the<br>prognosis of JEV<br>infection   |    | NK | Lecture |                       |
|         | Summarize the<br>treatment and<br>management<br>options for JEV<br>infection                             | C2 | NK | Lecture | Organon               |
| K       | Enumerate the<br>indications of<br>homoeopathic<br>medicines for the<br>JEV infection                    | C1 | NK | Lecture | Materia<br>Medica     |
|         | Describe the<br>strategies to<br>prevent JEV<br>infection  | C1 | NK | Lecture | Community<br>Medicine |

| HomUG   | K&S | K                 | BIRD FLU | Define BIRD      | C1      | NK | Lecture,    | MCQ,       | SQ,    | Pathology, |
|---------|-----|-------------------|----------|------------------|---------|----|-------------|------------|--------|------------|
| -PM     |     |                   |          | FLU Infection    |         |    | Multimedia  | Quiz, Viva | MCQ    | Virology,  |
| I.25.10 |     |                   |          |                  |         |    | presentatio |            | , Viva | Community  |
|         |     |                   |          |                  |         |    | n,          |            |        | Medicine   |
|         |     |                   |          |                  |         |    | Assignmen   |            |        |            |
|         |     |                   |          |                  |         |    | t -         |            |        |            |
|         |     |                   |          |                  |         |    | Literature  |            |        |            |
|         |     |                   |          |                  |         |    | Review      |            |        |            |
|         |     |                   |          | Discuss          | C2      | NK | Lecture     |            |        | -          |
|         |     |                   |          | etiopathogeneis  |         |    |             |            |        |            |
|         |     |                   |          | for BIRD FLU     |         |    |             |            |        |            |
|         |     |                   |          | infection        |         |    |             |            |        |            |
|         |     |                   |          | Identify the     | C2      | NK | Lecture,    |            |        | Communit   |
|         |     |                   |          | epidemiology     |         |    | field visit |            |        | Medicine   |
|         |     |                   |          | dimension of     |         |    |             |            |        |            |
|         |     |                   |          | BIRD FLU         |         |    |             |            |        |            |
|         |     |                   |          | infection        |         |    |             |            |        |            |
|         |     |                   |          | Explain how      | C2      | NK | Lecture,    |            |        | Communit   |
|         |     |                   |          | BIRD FLU         |         |    | field visit |            |        | Medicine   |
|         |     |                   |          | Infections       |         |    |             |            |        |            |
|         |     |                   |          | spreads from     |         |    |             |            |        |            |
|         |     |                   |          | person to person |         |    |             |            |        |            |
|         |     |                   |          | Describe the     | C2      | NK | Lecture     |            |        | -          |
|         |     |                   |          | clinical         |         |    |             |            |        |            |
|         |     |                   |          | sprectrum of     |         |    |             |            |        |            |
|         |     |                   |          | BIRD FLU         |         |    |             |            |        |            |
|         |     |                   |          | infection        |         |    |             |            |        |            |
|         |     | State the         | C1       | NK               | Lecture | 1  |             | Pathology  |        |            |
|         |     | investigations to | ~-       |                  |         |    |             |            |        |            |
|         |     | be done for the   |          |                  |         |    |             |            |        |            |
|         |     | patient suffering |          |                  |         |    |             |            |        |            |

|    | from BIRD FLU                     |    |
|----|-----------------------------------|----|
|    | infection                         |    |
| KH | Enumerate the C1 NK Lecture       |    |
|    | diagnostic                        |    |
|    | features for                      |    |
|    | different                         |    |
|    | spectrum of                       |    |
|    | BIRD FLU                          |    |
|    | infection                         |    |
| K  | Describe the C2 NK Lecture        |    |
|    | potential                         |    |
|    | complications of                  |    |
|    | BIRD FLU                          |    |
|    | infection                         |    |
| KH | Describe the C2 NK Lecture        |    |
|    | differential                      |    |
|    | diagnosis of                      |    |
|    | BIRD FLU                          |    |
|    | infection                         |    |
|    | Discuss the C2 NK Lecture         |    |
|    | prognosis of                      |    |
|    | BIRD FLU                          |    |
|    | infection                         |    |
|    | Summarize the C2 NK Lecture Organ | on |
|    | treatment and                     |    |
|    | management                        |    |
|    | options for BIRD                  |    |
|    | FLU infection                     |    |

|                         |     | K |                           | Enumeratetheindicationsofhomoeopathicmedicinesfor theBIRDFLUinfectionDescribethestrategiestopreventJEV   | C1<br>C1 | NK<br>NK | Lecture  |                                      |   | Materia<br>Medica<br>Community<br>Medicine       |
|-------------------------|-----|---|---------------------------|--|----------|----------|--|--------------------------------------|---|--|
| HomUG<br>-PM<br>I.25.11 | K&S | К | Influenza A<br>H1N1 virus | infection<br>Define Influenza<br>A H1N1 virus<br>Infection - Swine<br>Flu  | C1       | MK       | Lecture,<br>Multimedia<br>presentatio<br>n, Case<br>based,<br>Assignmen<br>t -<br>Literature<br>Review | MCQ,<br>Quiz, Case<br>based,<br>Viva | SQ,<br>MCQ<br>, Case<br>Based<br>, Viva | Pathology,<br>Virology,<br>Community<br>Medicine |
|                         |     |   |                           | Discuss<br>etiopathogeneis<br>for Influenza A<br>H1N1 virus<br>Infection<br>Identify the<br>epidemiology<br>dimension of<br>Influenza A<br>H1N1 virus<br>Infection | C2<br>C2 | MK<br>MK | Lecture,<br>Case Based<br>Lecture,<br>field visit  |                                      |   | Community<br>Medicine                            |

|   | Explain how C2    | MK | Lecture,    | Community |
|---|-------------------|----|-------------|-----------|
|   | iH1N1 Infections  |    | field visit | Medicine  |
|   | spreads from      |    |             |           |
|   | person to person  |    |             |           |
|   | Describe the C2   | MK | Lecture,    |           |
|   | clinical          |    | Case Based  |           |
|   | sprectrum of      |    |             |           |
|   | Influenza A       |    |             |           |
|   | H1N1 virus        |    |             |           |
|   | Infection         |    |             |           |
|   | State the C1      | MK | Lecture,    | Pathology |
|   | investigations to |    | Case Based  |           |
|   | be done for the   |    |             |           |
|   | patient suffering |    |             |           |
|   | from Influenza A  |    |             |           |
|   | H1N1 virus        |    |             |           |
|   | Infection         |    |             |           |
| K | Enumerate the C1  | MK | Lecture,    |           |
|   | diagnostic        |    | Case Based  |           |
|   | features for      |    |             |           |
|   | different         |    |             |           |
|   | spectrum of       |    |             |           |
|   | Influenza A       |    |             |           |
|   | H1N1 virus        |    |             |           |
|   | Infection         |    |             |           |
| K | Describe the C2   | MK | Lecture,    |           |
|   | potential         |    | Case Based  |           |
|   | complications of  |    |             |           |
|   | Influenza A       |    |             |           |
|   | H1N1 virus        |    |             |           |
|   | Infection         |    |             |           |

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|------|-------------------|----|------|------------|---|-----------|
| KH   | Describe the      | C2 | MK   | Lecture,   |   |           |
|      | differential      |    |      | Case Based |   |           |
|      | diagnosis of      |    |      |            |   |           |
|      | Influenza A       |    |      |            |   |           |
|      | H1N1 virus        |    |      |            |   |           |
|      | Infection         |    |      |            |   |           |
|      | Discuss the       | C2 | MK   | Lecture,   |   |           |
|      | prognosis of      |    |      | Case Based |   |           |
|      | Influenza A       |    |      |            |   |           |
|      | H1N1 virus        |    |      |            |   |           |
|      | Infection         |    |      |            |   |           |
|      | Summarize the     | C2 | MK   | Lecture,   |   | Organon   |
|      | treatment and     |    |      | Case Based |   |           |
|      | management        |    |      |            |   |           |
|      | options for       |    |      |            |   |           |
|      | Influenza A       |    |      |            |   |           |
|      | H1N1 virus        |    |      |            |   |           |
|      | Infection         |    |      |            |   |           |
| К    | Enumerate the     | C1 | MK   | Lecture,   |   | Materia   |
|      | indications of    |    |      | Case Based |   | Medica    |
|      | homoeopathic      |    |      |            |   |           |
|      | medicines for the |    |      |            |   |           |
|      | Influenza A       |    |      |            |   |           |
|      | H1N1 virus        |    |      |            |   |           |
|      | Infection         |    |      |            |   |           |
|      | Describe the      | C1 | MK   | Lecture,   |   | Community |
|      | strategies to     | _  |      | Case Based |   | Medicine  |
|      | prevent           |    |      |            |   |           |
|      | Influenza A       |    |      |            |   |           |
|      | H1N1 virus        |    |      |            |   |           |
|      | Infection         |    |      |            |   |           |
|      | mittuin           |    |      |            |   |           |

| HomUG K&S K<br>-PM<br>I.25.12 | Chikungunya<br>virus<br>Infection | Define<br>Chikungunya<br>virus Infection -<br>Chikungunya<br>virus Disease | C1  | МК | Lecture,<br>Multimedia<br>presentatio<br>n, Case<br>based,<br>Assignmen<br>t -<br>Literature<br>Review | MCQ,<br>Quiz, Case<br>based,<br>Viva | SQ,<br>MCQ<br>, Case<br>Based<br>, Viva | Pathology,<br>Virology,<br>Community<br>Medicine |                       |
|-------------------------------|-----------------------------------|--|---|----|--|--------------------------------------|---|--|-----------------------|
|                               |                                   |  | Discuss<br>etiopathogeneis<br>for Chikungunya<br>virus Infection  | C2 | МК   | Lecture,<br>Case Based               |   |  |                       |
|                               |                                   |  | Identify the<br>epidemiological<br>dimensions of<br>Chikungunya<br>virus Infection,<br>and Explain how<br>it spreads from<br>person to person | C2 | МК   | Lecture,<br>field visit              |   |  | Community<br>Medicine |
|                               |                                   |  | Describe the<br>clinical features<br>of Chikungunya<br>virus Infection  | C2 | MK   | Lecture,<br>Case Based               |   |  |                       |
|                               |                                   |  | State the<br>investigations to<br>be done for the<br>patient suffering<br>from<br>Chikungunya<br>virus Infection                              | C1 | МК   | Lecture,<br>Case Based               |   |  | Pathology             |

| КН | Enumerate the C1<br>diagnostic<br>features for<br>Chikungunya<br>virus Infection                          |      | Lecture,<br>Case Based |                   |
|----|---|------|------------------------|-------------------|
| К  | Describe the C2<br>potential<br>complications of<br>Influenza A<br>H1N1 virus<br>Infection                | 2 MK | Lecture,<br>Case Based |                   |
| KH | Describe the C2<br>differential<br>diagnosis of<br>Chikunguny<br>virus Infection                          | 2 MK | Lecture,<br>Case Based |                   |
|    | Discuss the C2<br>prognosis of<br>Chikungunya<br>virus Infection  |      | Lecture,<br>Case Based |                   |
|    | Summarize the C2<br>treatment and<br>management<br>options for<br>Chikungunya<br>virus Infection          | 2 MK | Lecture,<br>Case Based | Organon           |
| K  | Enumerate the C1<br>indications of<br>homoeopathic<br>medicines for the<br>Chikungunya<br>virus Infection | 1 MK | Lecture,<br>Case Based | Materia<br>Medica |

|                         |     |   |                             |    | Describe the<br>strategies to<br>prevent<br>Chikungunya<br>virus Infection      | C1 | МК | Lecture,<br>Case Based   |                                      |   | Community<br>Medicine                            |
|-------------------------|-----|---|-----------------------------|----|---|----|----|--|--------------------------------------|---|--|
| HomUG<br>-PM<br>I.25.13 | K&S | K | COVID<br>Virus<br>Infection | 19 | Define COVID<br>19 Virus<br>Infection   | C1 | МК | Lecture,<br>Multimedia<br>presentatio<br>n, Case<br>based,<br>Assignmen<br>t -<br>Literature<br>Review | MCQ,<br>Quiz, Case<br>based,<br>Viva | SQ,<br>MCQ<br>, Case<br>Based<br>, Viva | Pathology,<br>Virology,<br>Community<br>Medicine |
|                         |     |   |                             |    | Discuss<br>etiopathogeneis<br>for COVID 19<br>Virus Infection                   | C2 | МК | Lecture,<br>Case Based   |                                      |   |  |
|                         |     |   |                             |    | Identify the<br>epidemiology<br>dimension of<br>COVID 19 Virus<br>Infection     | C2 | МК | Lecture,<br>field visit  |                                      |   | Community<br>Medicine                            |
|                         |     |   |                             |    | Explain how<br>COVID 19 Virus<br>Infections<br>spreads from<br>person to person | C2 | МК | Lecture,<br>field visit  |                                      |   | Community<br>Medicine                            |
|                         |     |   |                             |    | Describe the<br>different clinical<br>sprectrum of                              | C2 | МК | Lecture,<br>Case Based   |                                      |   |  |

|    | COVID 19 Virus<br>Infection   |    |                        |           |
|----|---|----|------------------------|-----------|
|    | State the<br>investigations to<br>be done for the<br>patient suffering<br>from different<br>clincial spectrum<br>of COVID 19<br>Virus Infection | МК | Lecture,<br>Case Based | Pathology |
| КН | Enumerate the<br>diagnostic<br>features for<br>different<br>spectrum of<br>COVID 19 Virus<br>Infection  | МК | Lecture,<br>Case Based |           |
| K  | Describe the<br>potential<br>complications of<br>COVID 19 Virus<br>Infection  | МК | Lecture,<br>Case Based |           |
| KH | Describe the<br>differential<br>diagnosis of<br>COVID 19 Virus<br>Infection   | МК | Lecture,<br>Case Based |           |
|    | Discuss the prognosis of  | MK | Lecture,<br>Case Based |           |

|                         |     |   |  | COVID 19 Virus<br>Infection<br>Summarize the<br>treatment and<br>management        | C2 | MK | Lecture,<br>Case Based                     |                    |                      | Organon  |
|-------------------------|-----|---|--|--|----|----|--|--------------------|----------------------|--|
|                         |     | K |  | options for<br>COVID 19 Virus<br>Infection<br>Enumerate the                        | C1 | MK | Lecture,                                   |                    |                      | Materia  |
|                         |     |   |  | indications of<br>homoeopathic<br>medicines for the<br>COVID 19 Virus<br>Infection |    |    | Case Based                                 |                    |                      | Medica   |
|                         |     |   |  | DescribethestrategiestopreventCOVID19VirusInfection                                | C1 | MK | Lecture,<br>Case Based                     |                    |                      | Community<br>Medicine                            |
| HomUG<br>-PM<br>I.25.14 | K&S | К | Yellow Fever<br>virus [YFV]<br>Infection | Define Yellow<br>Fever virus<br>[YFV] Infection                                    | C1 | NK | Lecture,<br>Multimedia<br>presentatio<br>n | MCQ,<br>Quiz, Viva | SQ,<br>MCQ<br>, Viva | Pathology,<br>Virology,<br>Community<br>Medicine |
|                         |     |   |  | Discuss<br>etiopathogeneis<br>for Yellow Fever<br>virus [YFV]<br>Infection         | C2 | NK | Lecture,<br>Case Based                     |                    |                      |  |

|    | Identify the epidemiology   | C2 | NK | Lecture,<br>field visit | Community<br>Medicine |
|----|---|----|----|-------------------------|-----------------------|
|    | dimension of<br>Yellow Fever<br>virus [YFV]<br>Infection  |    |    |                         |                       |
|    | Explain how<br>Yellow Fever<br>virus [YFV]<br>Infection spreads<br>from person to<br>person                             | C2 | NK | Lecture,<br>field visit | Community<br>Medicine |
|    | Describe the<br>clinicalsprectrum<br>of Yellow Fever<br>virus [YFV]<br>Infection  | C2 | NK | Lecture,<br>Case Based  |                       |
|    | State the<br>investigations to<br>be done for the<br>patient suffering<br>from Yellow<br>Fever virus<br>[YFV] Infection | C1 | NK | Lecture,<br>Case Based  | Pathology             |
| KH | Enumerate the<br>diagnostic<br>features for<br>Yellow Fever<br>virus [YFV]<br>Infection                                 | C1 | NK | Lecture,<br>Case Based  |                       |

| К | Describe the      | C2 | NK | Lecture,   |         |
|---|-------------------|----|----|------------|---------|
|   | potential         |    |    | Case Based |         |
|   | complications of  |    |    |            |         |
|   | Yellow Fever      |    |    |            |         |
|   | virus [YFV]       |    |    |            |         |
|   | Infection         |    |    |            |         |
| К | Describe the      | C2 | NK | Lecture,   |         |
|   | differential      |    |    | Case Based |         |
|   | diagnosis of      |    |    |            |         |
|   | Yellow Fever      |    |    |            |         |
|   | virus [YFV]       |    |    |            |         |
|   | Infection         |    |    |            |         |
|   | Discuss the       | C2 | NK | Lecture,   |         |
|   | prognosis of      |    |    | Case Based |         |
|   | Yellow Fever      |    |    |            |         |
|   | virus [YFV]       |    |    |            |         |
|   | Infection         |    |    |            |         |
|   | Summarize the     | C2 | NK | Lecture,   | Organon |
|   | treatment and     |    |    | Case Based |         |
|   | management        |    |    |            |         |
|   | options for       |    |    |            |         |
|   | Yellow Fever      |    |    |            |         |
|   | virus [YFV]       |    |    |            |         |
|   | Infection         |    |    |            |         |
| К | Enumerate the     | C1 | NK | Lecture,   | Materia |
|   | indications of    |    |    | Case Based | Medica  |
|   | homoeopathic      |    |    |            |         |
|   | medicines for the |    |    |            |         |
|   | Yellow Fever      |    |    |            |         |
|   | virus [YFV]       |    |    |            |         |
|   | Infection         |    |    |            |         |

|                               |   |  |                 | DescribethestrategiestopreventYellowFevervirus[YFV] Infection                      | C1 | NK  | Lecture,<br>Case Based |                      |  | Community<br>Medicine |
|-------------------------------|---|--|-----------------|--|----|---|------------------------|----------------------|--|-----------------------|
| HomUG K&S K<br>-PM<br>I.25.15 | K | Smallpox<br>(variola) -<br>poxvirus<br>infection | Define Smallpox | C1   | NK | Lecture,<br>Multimedia<br>presentatio<br>n,<br>Assignmen<br>t -<br>Literature<br>Review | MCQ,<br>Quiz, Viva     | SQ,<br>MCQ<br>, Viva | Pathology,<br>Virology,<br>Community<br>Medicine |                       |
|                               |   |  |                 | Discuss<br>etiopathogeneis<br>for Smallpox<br>(variola) -<br>poxvirus<br>infection | C2 | NK  | Lecture                |                      |  |                       |
|                               |   |  |                 | IdentifytheepidemiologydimensionofSmallpox(variola)-poxvirusinfection              | C2 | NK  | Lecture                |                      |  | Community<br>Medicine |
|                               |   |  |                 | Explain how<br>Smallpox<br>(variola) -<br>poxvirus<br>infection spreads            | C2 | NK  | Lecture                |                      |  | Community<br>Medicine |

|    | from person to       |    |         |           |
|----|----------------------|----|---------|-----------|
|    | person               |    |         |           |
|    |                      |    |         |           |
|    |                      |    |         |           |
|    | Describe the C2      | NK | Lecture |           |
|    | clinical             |    |         |           |
|    | sprectrum of         |    |         |           |
|    | Smallpox             |    |         |           |
|    | (variola) -          |    |         |           |
|    | poxvirus             |    |         |           |
|    | infection            |    |         |           |
|    | State the C1         | NK | Lecture | Pathology |
|    | investigations to    |    |         |           |
|    | be done for the      |    |         |           |
|    | patient suffering    |    |         |           |
|    | from clincial        |    |         |           |
|    | spectrum of          |    |         |           |
|    | Smallpox             |    |         |           |
|    |                      |    |         |           |
|    | (variola) -          |    |         |           |
|    | poxvirus             |    |         |           |
|    | infection            |    |         |           |
| KH | Enumerate the C1     | NK | Lecture |           |
|    | diagnostic           |    |         |           |
|    | features of          |    |         |           |
|    | Smallpox             |    |         |           |
|    | (variola) -          |    |         |           |
|    | poxvirus             |    |         |           |
|    | infection            |    |         |           |
| K  | Describe the C2      | NK | Lecture |           |
|    | potential            |    |         |           |
|    | complications of     |    |         |           |
|    | Smallpox (variola) - |    |         |           |
|    | poxvirus infection   |    |         |           |

| КН | Describe the C2 NK<br>differential | Lecture         |
|----|------------------------------------|-----------------|
|    |                                    |                 |
|    | e                                  |                 |
|    | Smallpox                           |                 |
|    | (variola) -                        |                 |
|    | poxvirus                           |                 |
|    | infection                          |                 |
|    | Discuss the C2 NK                  | Lecture         |
|    | prognosis of                       |                 |
|    | Smallpox                           |                 |
|    | (variola) -                        |                 |
|    | poxvirus                           |                 |
|    | infection                          |                 |
|    | Summarize the C2 NK                | Lecture Organon |
|    | treatment and                      |                 |
|    | management                         |                 |
|    | options for                        |                 |
|    | Smallpox                           |                 |
|    | (variola) -                        |                 |
|    | poxvirus                           |                 |
|    | infection                          |                 |
| Κ  | Enumerate the C1 NK                | Lecture Materia |
|    | indications of                     | Medica          |
|    | homoeopathic                       |                 |
|    | medicines for the                  |                 |
|    | different stages                   |                 |
|    | related to                         |                 |
|    | Smallpox                           |                 |
|    | (variola) -                        |                 |
|    | poxvirus                           |                 |
|    | infection                          |                 |

|                         |     |   |               | Describe the<br>strategies to<br>prevent<br>Smallpox<br>(variola) -<br>poxvirus<br>infection | C1 | NK | Lecture  |  |  | Community<br>Medicine                            |
|-------------------------|-----|---|---------------|--|----|----|--|--|--|--|
| HomUG<br>-PM<br>I.25.16 | K&S | K | HIV Infection | Define the terms<br>"HIV Infection"<br>and "AIDS<br>Syndrome"                                | C1 | МК | Lecture,<br>Multimedia<br>presentatio<br>n, Case<br>based,<br>Assignmen<br>t -<br>Literature<br>Review | MCQ,<br>Quiz, Case<br>based,<br>Chart,<br>Model,<br>Viva | LQ,<br>SQ,<br>MCQ<br>, Case<br>Based<br>, Viva | Pathology,<br>Virology,<br>Community<br>Medicine |
|                         |     |   |               | Discuss<br>etiopathogeneis<br>for HIV Infection  | C2 | MK | Lecture,<br>Case Based   |  |  |  |
|                         |     |   |               | Identify the<br>epidemiology<br>dimension of<br>HIV Infection                                | C2 | МК | Lecture,<br>field visit  |  |  | Community<br>Medicine                            |
|                         |     |   |               | ExplainhowHIVInfectionsspreadsfromperson to person   | C2 | МК | Lecture,<br>field visit  |  |  | Community<br>Medicine                            |
|                         |     |   |               | Describe the<br>different clinical<br>sprectrum of<br>HIV Infection                          | C2 | МК | Lecture,<br>Case Based   |  |  |  |

|    | State the C1      | MK   | Lecture,   | Pathology |
|----|-------------------|------|------------|-----------|
|    | investigations to |      | Case Based |           |
|    | be done for the   |      |            |           |
|    | patient suffering |      |            |           |
|    | from different    |      |            |           |
|    | clincial spectrum |      |            |           |
|    | of HIV Infection  |      |            |           |
| KH | Enumerate the C1  | MK   | Lecture,   |           |
|    | diagnostic        |      | Case Based |           |
|    | features for      |      |            |           |
|    | different         |      |            |           |
|    | spectrum of HIV   |      |            |           |
|    | Infection         |      |            |           |
| K  | Describe the C2   | 2 MK | Lecture,   |           |
|    | potential         |      | Case Based |           |
|    | complications of  |      |            |           |
|    | HIV Infection     |      |            |           |
| KH | Describe the C2   | 2 MK | Lecture,   |           |
|    | differential      |      | Case Based |           |
|    | diagnosis of HIV  |      |            |           |
|    | Infection         |      |            |           |
|    | Discuss the C2    | 2 MK | Lecture,   |           |
|    | prognosis of HIV  |      | Case Based |           |
|    | Infection         |      |            |           |
|    | Summarize the C2  | 2 MK | Lecture,   | Organon,  |
|    | treatment and     |      | Case Based | Immunolog |
|    | management        |      |            | У         |
|    | options for HIV   |      |            |           |
|    | Infection         |      |            |           |

|                         |     | К |                   |       | Enumerate the<br>indications of<br>homoeopathic<br>medicines for the<br>HIV Infection<br>Describe the<br>strategies to<br>prevent HIV |    | MK<br>MK | Lecture,<br>Case Based<br>Lecture,<br>Case Based |                    |                      | Materia<br>Medica<br>Community<br>Medicine       |
|-------------------------|-----|---|-------------------|-------|---|----|----------|--|--------------------|----------------------|--|
| HomUG<br>-PM<br>I.25.17 | K&S | K | Zika<br>infection | virus | Infection<br>Define Zika virus<br>infection   | C1 | NK       | Lecture,<br>Multimedia<br>presentatio<br>n       | MCQ,<br>Quiz, Viva | SQ,<br>MCQ<br>, Viva | Pathology,<br>Virology,<br>Community<br>Medicine |
|                         |     |   |                   |       | Discuss<br>etiopathogeneis<br>for Zika virus<br>infection   | C2 | NK       | Lecture  |                    |                      |  |
|                         |     |   |                   |       | Identify the<br>epidemiology<br>dimension of<br>Zika virus<br>infection   | C2 | NK       | Lecture  |                    |                      | Community<br>Medicine                            |
|                         |     |   |                   |       | Explain how<br>Zika virus<br>infection spreads<br>from person to<br>person  | C2 | NK       | Lecture  |                    |                      | Community<br>Medicine                            |
|                         |     |   |                   |       | Describe the<br>different clinical<br>sprectrum of<br>Zika virus<br>infection   | C2 | NK       | Lecture  |                    |                      |  |

|    | State the C1      | NK   | Lastura | n  | thologr |
|----|-------------------|------|---------|----|---------|
|    |                   | INK  | Lecture | Pa | thology |
|    | investigations to |      |         |    |         |
|    | be done for the   |      |         |    |         |
|    | patient suffering |      |         |    |         |
|    | from clincial     |      |         |    |         |
|    | spectrum of Zika  |      |         |    |         |
|    | virus infection   |      |         |    |         |
|    | Enumerate the C1  | NK   | Lecture |    |         |
| КН | diagnostic        |      |         |    |         |
| КП | features for Zika |      |         |    |         |
|    | virus infection   |      |         |    |         |
| K  | Describe the C2   | NK   | Lecture |    |         |
|    | potential         |      |         |    |         |
|    | complications of  |      |         |    |         |
|    | Zika virus        |      |         |    |         |
|    | infection         |      |         |    |         |
| KH | Describe the C2   | NK   | Lecture |    |         |
|    | differential      |      |         |    |         |
|    | diagnosis of Zika |      |         |    |         |
|    | virus infection   |      |         |    |         |
|    | Discuss the C2    | NK   | Lecture |    |         |
|    | prognosis of Zika |      | 2000000 |    |         |
|    | virus infection   |      |         |    |         |
|    | Summarize the C2  | NK   | Lecture |    | rganon  |
|    | treatment and     | 1111 | Locture |    | Sanon   |
|    | management        |      |         |    |         |
|    | options for Zika  |      |         |    |         |
|    | virus infection   |      |         |    |         |
|    | virus infection   |      |         |    |         |

|                         |     | K |                          | Enumerate the<br>indications of<br>homoeopathic<br>medicines for the<br>Zika virus<br>infection | C1 | NK | Lecture                                    |                    |                      | Materia<br>Medica                                |
|-------------------------|-----|---|--------------------------|---|----|----|--|--------------------|----------------------|--|
|                         |     |   |                          | DescribethestrategiestopreventHIVInfection  | C1 | NK | Lecture                                    |                    |                      | Community<br>Medicine                            |
| HomUG<br>-PM<br>I.25.18 | K&S | К | Rickettsial<br>infection | Define<br>Rickettsial<br>infection  | C1 | NK | Lecture,<br>Multimedia<br>presentatio<br>n | MCQ,<br>Quiz, Viva | SQ,<br>MCQ<br>, Viva | Pathology,<br>Virology,<br>Community<br>Medicine |
|                         |     |   |                          | Discuss<br>etiopathogeneis<br>for Rickettsial<br>infection                                      | C2 | NK | Lecture                                    |                    |                      |  |
|                         |     |   |                          | Identify the<br>epidemiology<br>dimension of<br>Rickettsial<br>infection                        | C2 | NK | Lecture                                    |                    |                      | Community<br>Medicine                            |
|                         |     |   |                          | Explain how<br>Rickettsial<br>infection spreads<br>from person to<br>person                     | C2 | NK | Lecture                                    |                    |                      | Community<br>Medicine                            |
|                         |     |   |                          | Describe the<br>common clinical<br>sprectrum of<br>Rickettsial infection                        | C2 | NK | Lecture                                    |                    |                      |  |

|    | State the C1                    | NK Le | ecture | Pathology  |
|----|---------------------------------|-------|--------|------------|
|    | investigations to               |       |        | i uniorogy |
|    | be done for the                 |       |        |            |
|    | patient suffering               |       |        |            |
|    | from different                  |       |        |            |
|    | clincial spectrum               |       |        |            |
|    | of Rickettsial                  |       |        |            |
|    | infection                       |       |        |            |
| КН | Enumerate the C1                | NK Le | ecture |            |
|    | diagnostic                      |       |        |            |
|    | features for                    |       |        |            |
|    | different                       |       |        |            |
|    | spectrum of                     |       |        |            |
|    | Rickettsial                     |       |        |            |
|    | infection                       |       |        |            |
| K  | Describe the C2                 | NK Le | ecture |            |
|    | potential                       |       |        |            |
|    | complications of                |       |        |            |
|    | Rickettsial                     |       |        |            |
|    | infection D it C2               |       |        |            |
| KH | Describe the C2<br>differential | NK Le | ecture |            |
|    |                                 |       |        |            |
|    | diagnosis of<br>Rickettsial     |       |        |            |
|    | infection                       |       |        |            |
|    | Discuss the C2                  | NK Le | ecture |            |
|    | prognosis of                    |       |        |            |
|    | Rickettsial                     |       |        |            |
|    | infection                       |       |        |            |
|    | miccuon                         |       |        |            |

|                         |     |   |  | Summarize the<br>treatment and<br>management<br>options for<br>Rickettsial<br>infection              | C2 | NK | Lecture   |   |   | Organon   |
|-------------------------|-----|---|--|--|----|----|---|---|---|---|
|                         |     | Κ |  | Enumerate the<br>indications of<br>homoeopathic<br>medicines for the<br>Rickettsial<br>infection     | C1 | NK | Lecture   |   |   | Materia<br>Medica                                       |
|                         |     |   |  | Describe the<br>strategies to<br>prevent<br>Rickettsial<br>infection                                 | C1 | NK | Lecture   |   |   | Community<br>Medicine                                   |
| HomUG<br>-PM<br>I.25.19 | K&S | Κ | Staphylococc<br>us aureus<br>infection | Define<br>Staphylococcus<br>aureus infection   | C1 | DK | Lecture,<br>Multimedia<br>presentatio<br>n, Case<br>Based | MCQ,<br>Quiz, Case<br>Based,<br>Morpholog<br>y Chart, | SQ,<br>MCQ<br>, Case<br>Based<br>, Viva | Pathology,<br>Bacteriolog<br>y<br>Community<br>Medicine |
|                         |     |   |  | State the factors<br>predisposing to<br>S. aureus<br>colonisation and<br>its infections /<br>disease | C1 | DK | Lecture,<br>Case Based                                    | Viva  |   |   |
|                         |     |   |  | Discuss<br>etiopathogeneis<br>for S. aureus<br>infection   | C2 | DK | Lecture,<br>Case Based                                    |   |   |   |

| Identify the C2                       | DK | Lecture,                | Community             |
|---------------------------------------|----|-------------------------|-----------------------|
| epidemiology<br>dimension of S.       |    | field visit             | Medicine              |
| aureus infection                      |    |                         |                       |
|                                       | DK | Lastura                 | Community             |
| Explain how S. C2<br>aureus infection | DK | Lecture,<br>field visit | Community<br>Medicine |
|                                       |    | field visit             | Wiedichie             |
| 1                                     |    |                         |                       |
| person to person                      | DV |                         |                       |
| Enumate the C1                        | DK | Lecture,                |                       |
| common clinical                       |    | Case Based              |                       |
| illness caused by                     |    |                         |                       |
| S. aureus                             |    |                         |                       |
| infection                             |    |                         |                       |
| Describe the C2                       | DK | Lecture,                |                       |
| clinical                              |    | Case Based              |                       |
| manifestation of                      |    |                         |                       |
| coomon clinical                       |    |                         |                       |
| illness which are                     |    |                         |                       |
| caused by S.                          |    |                         |                       |
| aureus infection                      |    |                         |                       |
| State the C1                          | DK | Lecture,                | Pathology             |
| investigations to                     |    | Case Based              |                       |
| be done for the                       |    |                         |                       |
| patient suffering                     |    |                         |                       |
| from common                           |    |                         |                       |
| clinical illness                      |    |                         |                       |
| caused by S.                          |    |                         |                       |
| aureus infection                      |    |                         |                       |

|    | T_                          |           |     | 1_ T       | Γ |         |
|----|-----------------------------|-----------|-----|------------|---|---------|
| KH | Enumerate the               | C1        | DK  | Lecture,   |   |         |
|    | diagnostic                  |           |     | Case Based |   |         |
|    | features for                |           |     |            |   |         |
|    | common clinical             |           |     |            |   |         |
|    | illness caused by           |           |     |            |   |         |
|    | S. aureus                   |           |     |            |   |         |
|    | infection                   |           |     |            |   |         |
| К  | Describe the                | C2        | DK  | Lecture,   |   |         |
|    | potential                   |           | 211 | Case Based |   |         |
|    | complications of            |           |     | Case Dased |   |         |
|    | common clinical             |           |     |            |   |         |
|    |                             |           |     |            |   |         |
|    | illness caused by S. aureus |           |     |            |   |         |
|    |                             |           |     |            |   |         |
|    | infection                   | <b>G2</b> | DU  | <b>.</b>   |   |         |
| KH | Describe the                | C2        | DK  | Lecture,   |   |         |
|    | differential                |           |     | Case Based |   |         |
|    | diagnosis of                |           |     |            |   |         |
|    | common clinical             |           |     |            |   |         |
|    | illness caused by           |           |     |            |   |         |
|    | S. aureus                   |           |     |            |   |         |
|    | infection                   |           |     |            |   |         |
|    | Discuss the                 | C2        | DK  | Lecture,   |   |         |
|    | prognosis of                |           |     | Case Based |   |         |
|    | common clinical             |           |     |            |   |         |
|    | illness caused by           |           |     |            |   |         |
|    | S. aureus                   |           |     |            |   |         |
|    | infection                   |           |     |            |   |         |
|    | Summarize the               | C2        | DK  | Lecture,   |   | Organon |
|    |                             |           |     | Case Based |   | Organon |
|    | treatment and               |           |     | Case Dased |   |         |
|    | management                  |           |     |            |   |         |
|    | options for                 |           |     |            |   |         |
|    | common clinical             |           |     |            |   |         |

|                         |     |   |                             | illness caused by<br>S. aureus<br>infection  |    |    |   |   |   |   |
|-------------------------|-----|---|-----------------------------|--|----|----|---|---|---|---|
|                         |     | K |                             | Enumerate the<br>indications of<br>homoeopathic<br>medicines for the<br>common clinical<br>illness caused by<br>S. aureus<br>infection | C1 | DK | Lecture,<br>Case Based                                    |   |   | Materia<br>Medica                                       |
|                         |     |   |                             | Describe the<br>strategies to<br>prevent common<br>clinical illness<br>caused by S.<br>aureus infection                                | C1 | DK | Lecture,<br>Case Based                                    |   |   | Community<br>Medicine                                   |
| HomUG<br>-PM<br>I.25.20 | K&S | K | Streptococcal<br>infections | Define<br>Streptococcal<br>infections  | C1 | DK | Lecture,<br>Multimedia<br>presentatio<br>n, Case<br>Based | MCQ,<br>Quiz, Case<br>Based,<br>Morpholog<br>y Chart, | SQ,<br>MCQ<br>, Case<br>Based<br>, Viva | Pathology,<br>Bacteriolog<br>y<br>Community<br>Medicine |
|                         |     |   |                             | Discuss<br>etiopathogeneis<br>for Streptococcal<br>infections  | C2 | DK | Lecture,<br>Case Based                                    | Viva  |   |   |
|                         |     |   |                             | IdentifytheepidemiologydimensionofStreptococcalinfections  | C2 | DK | Lecture,<br>field visit                                   |   |   | Community<br>Medicine                                   |

|    | Explain how                           | C2 | DK | Lecture,    | Community |
|----|---------------------------------------|----|----|-------------|-----------|
|    | Streptococcal                         |    |    | field visit | Medicine  |
|    | infections                            |    |    |             |           |
|    | spreads from                          |    |    |             |           |
|    | person to person                      |    |    |             |           |
|    | Enumate the                           | C1 | DK | Lecture,    |           |
|    | common clinical                       |    |    | Case Based  |           |
|    | illness caused by                     |    |    |             |           |
|    | Streptococcal                         |    |    |             |           |
|    | infections                            |    |    |             |           |
|    | Describe the                          | C2 | DK | Lecture,    |           |
|    | clinical                              |    |    | Case Based  |           |
|    | manifestation of                      |    |    |             |           |
|    | comon clinical                        |    |    |             |           |
|    | illness which are                     |    |    |             |           |
|    | caused by                             |    |    |             |           |
|    | Streptococcal                         |    |    |             |           |
|    | infections                            |    |    |             |           |
|    | State the                             | C1 | DK | Lecture,    | Pathology |
|    | investigations to                     |    |    | Case Based  |           |
|    | be done for the                       |    |    |             |           |
|    | patient suffering                     |    |    |             |           |
|    | from common                           |    |    |             |           |
|    | clinical illness                      |    |    |             |           |
|    | caused by                             |    |    |             |           |
|    | Streptococcal                         |    |    |             |           |
|    | infections                            |    |    |             |           |
| KH | Enumerate the                         | C1 | DK | Lecture,    |           |
|    | diagnostic features                   |    |    | Case Based  |           |
|    | for common clinical                   |    |    |             |           |
|    | illness caused by S. aureus infection |    |    |             |           |

| [] |    |                   | <b>G2</b> | DI | <b>•</b>   | 1       |
|----|----|-------------------|-----------|----|------------|---------|
|    | K  | Describe the      | C2        | DK | Lecture,   |         |
|    |    | potential         |           |    | Case Based |         |
|    |    | complications of  |           |    |            |         |
|    |    | common clinical   |           |    |            |         |
|    |    | illness caused by |           |    |            |         |
|    |    | S. aureus         |           |    |            |         |
|    |    | infection         |           |    |            |         |
|    | КН | Describe the      | C2        | DK | Lecture,   |         |
|    |    | differential      |           |    | Case Based |         |
|    |    | diagnosis of      |           |    |            |         |
|    |    | common clinical   |           |    |            |         |
|    |    | illness caused by |           |    |            |         |
|    |    | Streptococcal     |           |    |            |         |
|    |    | infections        |           |    |            |         |
|    |    | Discuss the       | C2        | DK | Lecture,   |         |
|    |    | prognosis of      | 02        | DI | Case Based |         |
|    |    | common clinical   |           |    | Cuse Dused |         |
|    |    | illness caused by |           |    |            |         |
|    |    | S. aureus         |           |    |            |         |
|    |    | infection         |           |    |            |         |
|    |    |                   | C2        | DK | Lastrus    | Orecore |
|    |    |                   | C2        | DK | Lecture,   | Organon |
|    |    | treatment and     |           |    | Case Based |         |
|    |    | management        |           |    |            |         |
|    |    | options for       |           |    |            |         |
|    |    | common clinical   |           |    |            |         |
|    |    | illness caused by |           |    |            |         |
|    |    | Streptococcal     |           |    |            |         |
|    |    | infection         |           |    |            |         |

|                         |     | K |                  | Enumerate the<br>indications of<br>homoeopathic<br>medicines for the<br>common clinical<br>illness caused by<br>Streptococcal<br>infection | C1 | DK | Lecture,<br>Case Based   |                                      |  | Materia<br>Medica                                       |
|-------------------------|-----|---|------------------|--|----|----|--|--------------------------------------|--|---|
|                         |     |   |                  | Describe the<br>strategies to<br>prevent common<br>clinical illness<br>caused by<br>Streptococcal<br>infection                             | C1 | DK | Lecture,<br>Case Based   |                                      |  | Community<br>Medicine                                   |
| HomUG<br>-PM<br>I.25.21 | -PM | K | Typhoid<br>Fever | Define Typhoid<br>Fever  | C1 | MK | Lecture,<br>Multimedia<br>presentatio<br>n, Case<br>based,<br>Assignmen<br>t -<br>Literature<br>Review | MCQ,<br>Quiz, Case<br>based,<br>Viva | LQ,<br>SQ,<br>MCQ<br>, Case<br>Based<br>, Viva | Pathology,<br>Bacteriolog<br>y<br>Community<br>Medicine |
|                         |     |   |                  | Discuss<br>etiopathogeneis<br>for Typhoid<br>Fever   | C2 | МК | Lecture,<br>Case Based   |                                      |  |   |
|                         |     |   |                  | Identify the<br>epidemiology<br>dimension of<br>Typhoid Fever  | C2 | МК | Lecture,<br>field visit  |                                      |  | Community<br>Medicine                                   |

|    | Explain how C2     | MK | Lecture,    | Community |
|----|--------------------|----|-------------|-----------|
|    | Typhoid Fever      |    | field visit | Medicine  |
|    | spreads from       |    |             |           |
|    | person to person   |    |             |           |
|    | Describe the C2    | MK | Lecture,    |           |
|    | clinical course of |    | Case Based  |           |
|    | clinical           |    |             |           |
|    | manisfestation of  |    |             |           |
|    | Typhoid Fever      |    |             |           |
|    | State the C1       | MK | Lecture,    | Pathology |
|    | investigations to  |    | Case Based  |           |
|    | be done for the    |    |             |           |
|    | patient suffering  |    |             |           |
|    | from Typhoid       |    |             |           |
|    | Fever              |    |             |           |
| KH | Enumerate the C1   | MK | Lecture,    |           |
|    | diagnostic         |    | Case Based  |           |
|    | features for       |    |             |           |
|    | Typhoid Fever      |    |             |           |
| K  | Describe the C2    | MK | Lecture,    |           |
|    | potential          |    | Case Based  |           |
|    | complications of   |    |             |           |
|    | Typhoid Fever      |    |             |           |
| KH | Describe the C2    | MK | Lecture,    |           |
|    | differential       |    | Case Based  |           |
|    | diagnosis of       |    |             |           |
|    | Typhoid Fever      |    |             |           |
|    | Discuss the C2     | MK | Lecture,    |           |
|    | prognosis of       |    | Case Based  |           |
|    | Typhoid Fever      |    |             |           |

|                         |     |   |                                    | Summarize the<br>treatment and<br>management<br>options for<br>Typhoid Fever      | C2 | МК | Lecture,<br>Case Based   |                                      |   | Organon   |
|-------------------------|-----|---|------------------------------------|---|----|----|--|--------------------------------------|---|---|
|                         |     | K |                                    | Enumerate the<br>indications of<br>homoeopathic<br>medicines for<br>Typhoid Fever | C1 | МК | Lecture,<br>Case Based   |                                      |   | Materia<br>Medica                                       |
|                         |     |   |                                    | Describe the<br>strategies to<br>prevent Typhoid<br>Fever                         | C1 | МК | Lecture,<br>Case Based   |                                      |   | Community<br>Medicine                                   |
| HomUG<br>-PM<br>I.25.22 | K&S | К | Acute Viral<br>Gastroenteriti<br>s | Define Acute<br>Viral<br>Gastroenteritis  | C1 | МК | Lecture,<br>Multimedia<br>presentatio<br>n, Case<br>based,<br>Assignmen<br>t -<br>Literature<br>Review | MCQ,<br>Quiz, Case<br>based,<br>Viva | SQ,<br>MCQ<br>, Case<br>Based<br>, Viva | Pathology,<br>Bacteriolog<br>y<br>Community<br>Medicine |
|                         |     |   |                                    | Discuss<br>etiopathogeneis<br>for Acute Viral<br>Gastroenteritis                  | C2 | МК | Lecture,<br>Case Based   |                                      |   |   |
|                         |     |   |                                    | Identify the<br>epidemiology<br>dimension of<br>Acute Viral<br>Gastroenteritis    | C2 | МК | Lecture,<br>field visit  |                                      |   | Community<br>Medicine                                   |

|    | Explain how C2    | МК | Lecture,    | Community |
|----|-------------------|----|-------------|-----------|
|    | infection of      |    | field visit | Medicine  |
|    | Acute Viral       |    |             |           |
|    | Gastroenteritis   |    |             |           |
|    | spreads from      |    |             |           |
|    | person to person  |    |             |           |
|    | Describe the C2   | MK | Lecture,    |           |
|    | clinical          |    | Case Based  |           |
|    | manisfestation of |    |             |           |
|    | Acute Viral       |    |             |           |
|    | Gastroenteritis   |    |             |           |
|    | State the C1      | MK | Lecture,    | Pathology |
|    | investigations to |    | Case Based  |           |
|    | be done for the   |    |             |           |
|    | patient suffering |    |             |           |
|    | from Acute Viral  |    |             |           |
|    | Gastroenteritis   |    |             |           |
| KH | Enumerate the C1  | MK | Lecture,    |           |
|    | diagnostic        |    | Case Based  |           |
|    | features for      |    |             |           |
|    | Acute Viral       |    |             |           |
|    | Gastroenteritis   |    |             |           |
| K  | Describe the C2   | MK | Lecture,    |           |
|    | potential         |    | Case Based  |           |
|    | complications of  |    |             |           |
|    | Acute Viral       |    |             |           |
|    | Gastroenteritis   |    |             |           |
| KH | Describe the C2   | MK | Lecture,    |           |
|    | differential      |    | Case Based  |           |
|    | diagnosis of      |    |             |           |
|    | TAcute Viral      |    |             |           |
|    | Gastroenteritis   |    |             |           |

|                         |     |   |         | Discuss the<br>prognosis of<br>Acute Viral<br>Gastroenteritis                                      | C2 | МК | Lecture,<br>Case Based   |                                      |  |   |
|-------------------------|-----|---|---------|--|----|----|--|--------------------------------------|--|---|
|                         |     |   |         | Summarize the<br>treatment and<br>management<br>options for Acute<br>Viral<br>Gastroenteritis      | C2 | МК | Lecture,<br>Case Based   |                                      |  | Organon   |
|                         |     | K |         | Enumerate the<br>indications of<br>homoeopathic<br>medicines for<br>Acute Viral<br>Gastroenteritis | C1 | МК | Lecture,<br>Case Based   |                                      |  | Materia<br>Medica                                       |
|                         |     |   |         | Describe the<br>strategies to<br>prevent Acute<br>Viral<br>Gastroenteritis                         | C1 | МК | Lecture,<br>Case Based   |                                      |  | Community<br>Medicine                                   |
| HomUG<br>-PM<br>I.25.23 | K&S | K | Cholera | Define Cholera   | C1 | МК | Lecture,<br>Multimedia<br>presentatio<br>n, Case<br>based,<br>Assignmen<br>t -<br>Literature<br>Review | MCQ,<br>Quiz, Case<br>based,<br>Viva | LQ,<br>SQ,<br>MCQ<br>, Case<br>Based<br>, Viva | Pathology,<br>Bacteriolog<br>y<br>Community<br>Medicine |

|    | Discuss  | C2 | MK | Lecture,                |                       |
|----|--|----|----|-------------------------|-----------------------|
|    | etiopathogeneis<br>for Cholera   |    |    | Case Based              |                       |
|    | Identify the epidemiology  | C2 | МК | Lecture,<br>field visit | Community<br>Medicine |
|    | dimension of<br>Cholera  |    |    |                         |                       |
|    | Explain how<br>infection of<br>Cholera spreads<br>from person to<br>person             | C2 | MK | Lecture,<br>field visit | Community<br>Medicine |
|    | -  | C2 | МК | Lecture,<br>Case Based  |                       |
|    | State the<br>investigations to<br>be done for the<br>patient suffering<br>from Cholera | C1 | МК | Lecture,<br>Case Based  | Pathology             |
| KH | Enumerate the<br>diagnostic<br>features for<br>Cholera                                 | C1 | MK | Lecture,<br>Case Based  |                       |
| K  | Describe the<br>potential<br>complications of<br>Cholera                               | C2 | МК | Lecture,<br>Case Based  |                       |
| КН | Describe the differential  | C2 | MK | Lecture,<br>Case Based  |                       |

|                         |     |   |         | diagnosis<br>Cholera<br>Discuss<br>prognosis<br>Cholera         | of<br>the<br>of       | C2 | MK | Lecture,<br>Case Based                     |                    |                      |   |
|-------------------------|-----|---|---------|---|-----------------------|----|----|--|--------------------|----------------------|---|
|                         |     |   |         | Summarize<br>treatment<br>management<br>options<br>Cholera      | the<br>and<br>for     | C2 | MK | Lecture,<br>Case Based                     |                    |                      | Organon   |
|                         |     | K |         | Enumerate<br>indications<br>homoeopathi<br>medicines<br>Cholera | the<br>of<br>c<br>for | C1 | МК | Lecture,<br>Case Based                     |                    |                      | Materia<br>Medica                                       |
|                         |     |   |         | Describe<br>strategies<br>prevent Chol                          | the<br>to<br>era      | C1 | MK | Lecture,<br>Case Based                     |                    |                      | Community<br>Medicine                                   |
| HomUG<br>-PM<br>I.25.24 | K&S | K | Tetanus | Define Tetan  | ius                   | C1 | NK | Lecture,<br>Multimedia<br>presentatio<br>n | MCQ,<br>Quiz, Viva | SQ,<br>MCQ<br>, Viva | Pathology,<br>Bacteriolog<br>y<br>Community<br>Medicine |
|                         |     |   |         | Discuss<br>etiopathogen<br>for Tetanus                          | eis                   | C2 | NK | Lecture                                    |                    |                      |   |
|                         |     |   |         | Describe<br>clinical<br>manisfestatic<br>Tetanus                | the<br>on of          | C2 | NK | Lecture                                    |                    |                      |   |

| KH | Enumerate the diagnostic features for Tetanus  | C1 | NK | Lecture |                       |
|----|--|----|----|---------|-----------------------|
| K  | Describe the<br>potential<br>complications of<br>Tetanus   | C2 | NK | Lecture |                       |
| KH | DescribethedifferentialdiagnosisofTetanus  | C2 | NK | Lecture |                       |
|    | Discuss the<br>prognosis of<br>Tetanus   | C2 | NK | Lecture |                       |
|    | SummarizethetreatmentandmanagementoptionsoptionsforTetanusfor  | C2 | NK | Lecture | Organon               |
| K  | Enumerate the<br>indications of<br>homoeopathic<br>medicines for<br>Tetanus                                  | C1 | NK | Lecture | Materia<br>Medica     |
|    | Describe the<br>strategies to<br>prevent and / or<br>prophylaxis in<br>the wound<br>management of<br>Tetanus | C1 | NK | Lecture | Community<br>Medicine |

| HomUG K<br>-PM<br>I.25.25 | K&S | K  | Anthrax | Define Anthrax   | C1 | NK | Lecture,<br>Multimedia<br>presentatio<br>n | MCQ,<br>Quiz, Viva | SQ,<br>MCQ<br>, Viva | Pathology,<br>Bacteriolog<br>y<br>Community<br>Medicine |
|---------------------------|-----|----|---------|--|----|----|--|--------------------|----------------------|---|
|                           |     |    |         | Discuss<br>etiopathogeneis<br>for Anthrax  | C2 | NK | Lecture                                    | -                  |                      |   |
|                           |     |    |         | Identify the<br>epidemiology<br>dimension of<br>Anthrax                                | C2 | NK | Lecture                                    |                    |                      | Community<br>Medicine                                   |
|                           |     |    |         | Explain how<br>infection of<br>Anthrax spreads<br>from person to<br>person             | C2 | NK | Lecture                                    |                    |                      | Community<br>Medicine                                   |
|                           |     |    |         | Describe the<br>clinical<br>manisfestation of<br>Anthrax /<br>brucellosis /<br>plague  | C2 | NK | Lecture                                    |                    |                      |   |
|                           |     |    |         | State the<br>investigations to<br>be done for the<br>patient suffering<br>from Anthrax | C1 | NK | Lecture                                    |                    |                      | Pathology   |
|                           |     | КН |         | Enumerate the<br>diagnostic<br>features for<br>Anthrax                                 | C1 | NK | Lecture                                    |                    |                      |   |

|                         |     | K  |             | Describe<br>potential<br>complications<br>Anthrax                | the<br>s of           | C2 | NK | Lecture                                    |                    |                      |   |
|-------------------------|-----|----|-------------|--|-----------------------|----|----|--|--------------------|----------------------|---|
|                         |     | КН |             | Describe<br>differential<br>diagnosis<br>Anthrax                 | the<br>of             | C2 | NK | Lecture                                    |                    |                      |   |
|                         |     |    |             | Discuss<br>prognosis<br>Anthrax                                  | the<br>of             | C2 | NK | Lecture                                    |                    |                      |   |
|                         |     |    |             | Summarize<br>treatment<br>management<br>options<br>Anthrax       | the<br>and<br>for     | C2 | NK | Lecture                                    |                    |                      | Organon   |
|                         |     | K  |             | Enumerate<br>indications<br>homoeopathic<br>medicines<br>Anthrax | the<br>of<br>c<br>for | C1 | NK | Lecture                                    |                    |                      | Materia<br>Medica                                       |
|                         |     |    |             | Describe<br>strategies<br>prevent Anthr                          | the<br>to<br>rax      | C1 | NK | Lecture                                    |                    |                      | Community<br>Medicine                                   |
| HomUG<br>-PM<br>I.25.26 | K&S | K  | Brucellosis | Define<br>Brucellosis  |                       | C1 | NK | Lecture,<br>Multimedia<br>presentatio<br>n | MCQ,<br>Quiz, Viva | SQ,<br>MCQ<br>, Viva | Pathology,<br>Bacteriolog<br>y<br>Community<br>Medicine |
|                         |     |    |             | Discuss<br>etiopathogene<br>for Brucellos                        |                       | C2 | NK | Lecture                                    |                    |                      |   |

|    | Identify the<br>epidemiology<br>dimension of<br>Brucellosis                                | C2 | NK | Lecture | Community<br>Medicine |
|----|--|----|----|---------|-----------------------|
|    | Explain how<br>infection of<br>Brucellosissprea<br>ds from person to<br>person             | C2 | NK | Lecture | Community<br>Medicine |
|    | Describe the<br>clinical<br>manisfestation of<br>Brucellosis                               | C2 | NK | Lecture |                       |
|    | State the<br>investigations to<br>be done for the<br>patient suffering<br>from Brucellosis | C1 | NK | Lecture | Pathology             |
| КН | Enumerate the<br>diagnostic<br>features for<br>Brucellosis                                 | C1 | NK | Lecture |                       |
| K  | Describe the potential complications of Brucellosis  |    | NK | Lecture |                       |
| КН | DescribethedifferentialdiagnosisofBrucellosis  | C2 | NK | Lecture |                       |

|                         |     |   |        | prognosis<br>Brucellosis<br>Summarize<br>treatment a<br>management | the<br>of<br>the<br>and<br>for | C2<br>C2 | NK<br>NK | Lecture   |                    |                             | Organon   |
|-------------------------|-----|---|--------|--|--------------------------------|----------|----------|---|--------------------|-----------------------------|---|
|                         |     | К |        | Enumerate<br>indications<br>homoeopathic                           | the<br>of<br>for               | C1       | NK       | Lecture   |                    |                             | Materia<br>Medica                                       |
|                         |     |   |        |  | the<br>to                      | C1       | NK       | Lecture   |                    |                             | Community<br>Medicine                                   |
| HomUG<br>-PM<br>I.25.27 | K&S | К | Plague | Define Plague  |                                | C1       | DK       | Lecture,<br>Multimedia<br>presentatio<br>n,<br>Assignmen<br>t -<br>Literature<br>Review | MCQ,<br>Quiz, Viva | LQ,<br>SQ,<br>MCQ<br>, Viva | Pathology,<br>Bacteriolog<br>y<br>Community<br>Medicine |
|                         |     |   |        | Discuss<br>etiopathogenei<br>for Plague                            | is                             | C2       | DK       | Lecture   |                    |                             |   |
|                         |     |   |        |  | the<br>of                      | C2       | DK       | Lecture   |                    |                             | Community<br>Medicine                                   |

|    | Explain how C2<br>infection of<br>Plague spreads<br>from person to<br>person             | DK Lecture | Community<br>Medicine |
|----|--|------------|-----------------------|
|    | Describe the C2<br>clinical<br>manisfestation of<br>Plague                               | DK Lecture |                       |
|    | State the C1<br>investigations to<br>be done for the<br>patient suffering<br>from Plague | DK Lecture | Pathology             |
| КН | Enumerate the C1<br>diagnostic<br>features for<br>Plague                                 | DK Lecture |                       |
| К  | Describe the C2<br>potential<br>complications of<br>Plague                               | DK Lecture |                       |
| КН | Describe the C2<br>differential<br>diagnosis of<br>Plague                                | DK Lecture |                       |
|    | DiscusstheC2prognosisofPlague  | DK Lecture |                       |

|                         |     |   |         | Summarize the<br>treatment and<br>management<br>options for<br>Plague      | C2 | DK | Lecture  |  |  | Organon   |
|-------------------------|-----|---|---------|--|----|----|--|--|--|---|
|                         |     | К |         | Enumerate the<br>indications of<br>homoeopathic<br>medicines for<br>Plague | C1 | DK | Lecture  |  |  | Materia<br>Medica                                       |
|                         |     |   |         | Describe the<br>strategies to<br>prevent Plague                            | C1 | DK | Lecture  |  |  | Community<br>Medicine                                   |
| HomUG<br>-PM<br>I.25.28 | K&S | К | Leprosy | Define Leprosy   | C1 | МК | Lecture,<br>Multimedia<br>presentatio<br>n, Case<br>based,<br>Assignmen<br>t -<br>Literature<br>Review | MCQ,<br>Quiz, Case<br>Based,<br>Model,<br>Chart,<br>Viva | LQ,<br>SQ,<br>MCQ<br>, Case<br>Based<br>, Viva | Pathology,<br>Bacteriolog<br>y<br>Community<br>Medicine |
|                         |     |   |         | Discuss<br>etiopathogeneis<br>for Leprosy                                  | C2 | МК | Lecture,<br>Case Based   |  |  |   |
|                         |     |   |         | Identify the<br>epidemiology<br>dimension of<br>Leprosy                    | C2 | MK | Lecture,<br>field visit  |  |  | Community<br>Medicine                                   |
|                         |     |   |         | Explain how<br>infection of Leprosy<br>spreads from person<br>to person    | C2 | МК | Lecture,<br>field visit  |  |  | Community<br>Medicine                                   |

|    | Describe the<br>different clinical<br>manisfestation of<br>different types of<br>Leprosy |    | МК | Lecture,<br>Case Based |           |
|----|--|----|----|------------------------|-----------|
|    | State the<br>investigations to<br>be done for the<br>patient suffering<br>from Leprosy   | C1 | МК | Lecture,<br>Case Based | Pathology |
| KH | Enumerate the<br>diagnostic<br>features for<br>different types of<br>Leprosy             | C1 | МК | Lecture,<br>Case Based |           |
| K  | Describe the<br>potential<br>complications of<br>different types of<br>Leprosy           |    | МК | Lecture,<br>Case Based |           |
| KH | Describe the<br>differential<br>diagnosis of<br>different types of<br>Leprosy            |    | МК | Lecture,<br>Case Based |           |
|    | Discuss the<br>prognosis of<br>different types of<br>Leprosy                             | C2 | МК | Lecture,<br>Case Based |           |

|                         |     |   |              | Summarize the<br>treatment and<br>management<br>options for<br>different types of<br>Leprosy      | C2 | MK | Lecture,<br>Case Based   |  |  | Organon   |
|-------------------------|-----|---|--------------|---|----|----|--|--|--|---|
|                         |     | К |              | Enumerate the<br>indications of<br>homoeopathic<br>medicines for<br>different types of<br>Leprosy | C1 | MK | Lecture,<br>Case Based   |  |  | Materia<br>Medica                                       |
|                         |     |   |              | Describe the<br>strategies to<br>prevent different<br>types of Leprosy                            | C1 | МК | Lecture,<br>Case Based   |  |  | Community<br>Medicine                                   |
| HomUG<br>-PM<br>I.25.29 | K&S | K | Tuberculosis | Define<br>Tuberculosis  | C1 | МК | Lecture,<br>Multimedia<br>presentatio<br>n, Case<br>based,<br>Assignmen<br>t -<br>Literature<br>Review | MCQ,<br>Quiz, Case<br>Based,<br>Model,<br>Chart,<br>Viva | LQ,<br>SQ,<br>MCQ<br>, Case<br>Based<br>, Viva | Pathology,<br>Bacteriolog<br>y<br>Community<br>Medicine |
|                         |     |   |              | Discuss<br>etiopathogeneis<br>for Tuberculosis  | C2 | MK | Lecture,<br>Case Based   |  |  |   |
|                         |     |   |              | Identify the<br>epidemiology<br>dimension of<br>Tuberculosis                                      | C2 | МК | Lecture,<br>field visit  |  |  | Community<br>Medicine                                   |

|    | Explain how C2     | MK | Lecture,    | Community |
|----|--------------------|----|-------------|-----------|
|    | infection of       |    | field visit | Medicine  |
|    | Tuberculosis       |    |             |           |
|    | spreads from       |    |             |           |
|    | person to person   |    |             |           |
|    | Describe the C2    | MK | Lecture,    |           |
|    | different clinical |    | Case Based  |           |
|    | manisfestation of  |    |             |           |
|    | different types of |    |             |           |
|    | Tuberculosis       |    |             |           |
|    | State the C1       | MK | Lecture,    | Pathology |
|    | investigations to  |    | Case Based  |           |
|    | be done for the    |    |             |           |
|    | patient suffering  |    |             |           |
|    | from different     |    |             |           |
|    | types of           |    |             |           |
|    | Tuberculosis       |    |             |           |
| KH | Enumerate the C1   | MK | Lecture,    |           |
|    | diagnostic         |    | Case Based  |           |
|    | features of        |    |             |           |
|    | different types of |    |             |           |
|    | Tuberculosis       |    |             |           |
| K  | Describe the C2    | MK | Lecture,    |           |
|    | potential          |    | Case Based  |           |
|    | complications of   |    |             |           |
|    | of different types |    |             |           |
|    | of Tuberculosis    |    |             |           |
| KH | Describe the C2    | MK | Lecture,    |           |
|    | differential       |    | Case Based  |           |
|    | diagnosis of of    |    |             |           |
|    | different types of |    |             |           |
|    | Tuberculosis       |    |             |           |

|                         |     |   |               | Discuss the<br>prognosis of of<br>different types of<br>Tuberculosis                                   | C2 | МК | Lecture,<br>Case Based                                    |  |                                      |   |
|-------------------------|-----|---|---------------|--|----|----|---|--|--------------------------------------|---|
|                         |     |   |               | Summarize the<br>treatment and<br>management<br>options for<br>different types of<br>Tuberculosis      | C2 | MK | Lecture,<br>Case Based                                    |  |                                      | Organon   |
|                         |     | К |               | Enumerate the<br>indications of<br>homoeopathic<br>medicines for<br>different types of<br>Tuberculosis | C1 | МК | Lecture,<br>Case Based                                    |  |                                      | Materia<br>Medica                                       |
|                         |     |   |               | DescribethestrategiestopreventdifferenttypesofTuberculosis   | C1 | МК | Lecture,<br>Case Based                                    |  |                                      | Community<br>Medicine                                   |
| HomUG<br>-PM<br>I.25.30 | K&S | К | Malaria Fever | Define Malaria<br>Fever  | C1 | МК | Lecture,<br>Multimedia<br>presentatio<br>n, Case<br>Based | MCQ,<br>Quiz, Case<br>Based,<br>Model,<br>Chart, | LQ,<br>SQ,<br>MCQ<br>, Case<br>Based | Pathology,<br>Parasitolog<br>y<br>Community<br>Medicine |
|                         |     |   |               | Discuss<br>etiopathogeneis<br>for different<br>types of Malaria<br>Fever                               | C2 | МК | Lecture,<br>Case Based                                    | Viva   | , Viva                               |   |

|    | Identify the C2    | MK | Lecture,    | Community |
|----|--------------------|----|-------------|-----------|
|    | epidemiology       |    | field visit | Medicine  |
|    | dimension of       |    |             |           |
|    | Malaria Fever      |    |             |           |
|    | Explain how C2     | MK | Lecture,    | Community |
|    | infection of       |    | field visit | Medicine  |
|    | Malaria spreads    |    |             |           |
|    | from person to     |    |             |           |
|    | person             |    |             |           |
|    | Describe the C2    | MK | Lecture,    |           |
|    | different clinical |    | Case Based  |           |
|    | manisfestation of  |    |             |           |
|    | different types of |    |             |           |
|    | Malaria Fever      |    |             |           |
|    | State the C1       | MK | Lecture,    | Pathology |
|    | investigations to  |    | Case Based  |           |
|    | be done for the    |    |             |           |
|    | patient suffering  |    |             |           |
|    | from different     |    |             |           |
|    | types of Malaria   |    |             |           |
|    | Fever              |    |             |           |
| KH | Enumerate the C1   | MK | Lecture,    |           |
|    | diagnostic         |    | Case Based  |           |
|    | features of        |    |             |           |
|    | different types of |    |             |           |
|    | Malaria Fever      |    |             |           |
| K  | Describe the C2    | MK | Lecture,    |           |
|    | potential          |    | Case Based  |           |
|    | complications of   |    |             |           |
|    | of different types |    |             |           |
|    | of Malaria Fever   |    |             |           |

| KH | diag<br>diffe<br>Mala<br>Disc                 | rential<br>losis of c<br>rent types c<br>ria Fever           | of<br>of<br>e C2 | MK<br>MK | Lecture,<br>Case Based<br>Lecture,<br>Case Based |                       |
|----|---|--|------------------|----------|--|-----------------------|
|    | diffe<br>Mala<br>Sum<br>treat<br>man<br>optic | rent types o<br>ria Fever<br>marize th<br>ment an<br>agement | e C2<br>d<br>or  | МК       | Lecture,<br>Case Based                           | Organon               |
| K  | Mala<br>Enur<br>india<br>hom<br>med<br>diffe  | ria Fever<br>nerate th                                       | e C1<br>of<br>or | МК       | Lecture,<br>Case Based                           | Materia<br>Medica     |
|    | Desc<br>strat<br>prev                         | ribe th<br>egies t<br>ent differen<br>s of Malari            | o<br>nt          | МК       | Lecture,<br>Case Based                           | Community<br>Medicine |

| Sl. No.                | Domain               | Miller  | Content   | SLO   | Blooms                         | Priori | T-L  | Assess   | ment | Integration  |
|------------------------|----------------------|---------|---|---|--------------------------------|--------|--|--|------|--|
|                        | of<br>Compete<br>ncy | s Level |   |   | Domain/<br>Guilbert's<br>Level | ty     | Methods                                      | F  | S    |  |
| HomUG<br>-PM<br>I.26.1 | K&S                  | SH      | Taking<br>patient<br>history<br>including<br>chief<br>complaints,<br>present<br>illness, past<br>medical<br>history,<br>family<br>history, and<br>personal<br>history | Demonstra<br>tion of<br>effective<br>communic<br>ation and<br>questionin<br>g skills    | A1/2                           | МК     | Simulated<br>patient<br>encounters           | Observation<br>of history-<br>taking<br>sessions,<br>Peer<br>feedback      | OSCE | Case<br>discussions<br>with clinical<br>preceptors |
| HomU<br>G-PM<br>I.26.2 | PC                   |         | Conducting a<br>systematic<br>physical<br>examination<br>including<br>general<br>examination,<br>systemic<br>examination,<br>and regional<br>examination              | Demonstra<br>tion of<br>proficienc<br>y in<br>physical<br>examinatio<br>n<br>techniques | P2                             | МК     | Simulation,<br>Bedside<br>demonstratio<br>ns | Observation<br>of physical<br>examination<br>sessions,<br>Peer<br>feedback | OSCE | Clinical<br>rotations with<br>supervision          |

# 6.5. Competency Tables for Bedside Clinics

| HomU<br>G-PM | Analyzing<br>patient  | Demonstra<br>tion of   | P2/A2 | МК | Case-based discussions,          | Case<br>analyses,     | Viva<br>voce,              | Interactive case-based |
|--------------|---|--|-------|----|----------------------------------|-----------------------|----------------------------|------------------------|
| 1.26.3       | history,<br>physical<br>examination<br>findings, and<br>relevant<br>investigation<br>s to develop | critical<br>thinking<br>and<br>clinical<br>reasoning<br>skills |       |    | Problem-<br>solving<br>scenarios | Guided<br>discussions | Bedside<br>examinati<br>on | learning with faculty  |
|              | a list of<br>possible<br>diagnoses  |  |       |    |                                  |                       |                            |                        |
| HomU         | Developing  | Demonstra  | P2/A2 | MK | Small group                      | Group                 | OSCE                       | Clinical               |
| G-PM         | appropriate   | tion of  |       |    | discussions,                     | Discussions           |                            | rotations with         |
| I.26.4       | management  | knowledge  |       |    | Clinical case                    |                       |                            | treatment              |
|              | strategies  | of   |       |    | presentations                    |                       |                            | planning               |
|              | including   | evidence-  |       |    |                                  |                       |                            | exercises              |
|              | pharmacolog   | based  |       |    |                                  |                       |                            |                        |
|              | ical, non-  | medicine   |       |    |                                  |                       |                            |                        |
|              | pharmacolog   | and  |       |    |                                  |                       |                            |                        |
|              | ical, and   | treatment  |       |    |                                  |                       |                            |                        |
|              | lifestyle   | guidelines   |       |    |                                  |                       |                            |                        |
|              | interventions   | D  |       |    |                                  |                       | 0005                       |                        |
| HomU         | Demonstrating<br>empathetic   | Demonstra  | A2    | MK | Simulated                        | Observation           | OSCE                       | Communicati            |
| G-PM         | communication,  | tion of  |       |    | patient                          | of                    |                            | on exercises           |
| I.26.5       | active listening,   | interperson  |       |    | encounters                       | communicati           |                            |                        |
|              | and   | al and   |       |    |                                  | on skills,            |                            |                        |
|              | professionalism<br>in patient   | communic   |       |    |                                  | Peer                  |                            |                        |
|              | in patient<br>interactions and  | ation skills   |       |    |                                  | feedback              |                            |                        |
|              | team  |  |       |    |                                  |                       |                            |                        |
|              | communication   |  |       |    |                                  |                       |                            |                        |

| HomU   | Recording      | Demonstra   | P3 | MK | Charting    | Review of    | OSCE | Clinical       |
|--------|----------------|-------------|----|----|-------------|--------------|------|----------------|
| G-PM   | patient        | tion of     |    |    | exercises,  | documentati  |      | rotations with |
| I.26.6 | history,       | effective   |    |    | Case note   | on, Peer     |      | documentatio   |
|        | examination    | documenta   |    |    | writing     | feedback     |      | n review       |
|        | findings,      | tion skills |    |    | _           |              |      |                |
|        | assessments,   |             |    |    |             |              |      |                |
|        | and            |             |    |    |             |              |      |                |
|        | management     |             |    |    |             |              |      |                |
|        | plans in a     |             |    |    |             |              |      |                |
|        | clear and      |             |    |    |             |              |      |                |
|        | organized      |             |    |    |             |              |      |                |
|        | manner         |             |    |    |             |              |      |                |
| HomU   | Adhering to    | Demonstra   | A3 | MK | Group       | Observations | OSCE | Reflection     |
| G-PM   | professional   | tion of     |    |    | Discussions | of           |      | exercises and  |
| I.26.7 | standards,     | ethical     |    |    |             | professional |      | discussions    |
|        | maintaining    | decision-   |    |    |             | conduct,     |      |                |
|        | patient        | making      |    |    |             | Peer         |      |                |
|        | confidentialit | and         |    |    |             | evaluations  |      |                |
|        | y, and         | profession  |    |    |             |              |      |                |
|        | respecting     | alism       |    |    |             |              |      |                |
|        | patient        |             |    |    |             |              |      |                |
|        | autonomy       |             |    |    |             |              |      |                |
|        | and diversity  |             |    |    |             |              |      |                |

# 7. Teaching learning methods

| Lectures  | Non-lectures<br>(clinical / practical / demonstrative) |
|---|--|
| Classroom lectures with oral presentation/ AV aid | Clinical Demonstration                                 |
| Integrated teaching                               | Case Based Discussion                                  |
|   | PBL - Problem Based Learning                           |
|   | Simulation – with mannequins                           |
|   | OSCE – Objective Structure Clinical Examination        |
|   | Mini-CEX - mini clinical evaluation exercise           |
|   | Seminar: Integrated Medical Education Seminar          |
|   | Tutorials: Small Group Projects                        |
|   | Chart and Model  |
|   | Assignment   |

8. Details of assessment

<u>Note-</u> The assessment in II BHMS shall be done only as Internal Assessment (IA) in terms of Periodical Assessments (PA) and Term Tests (TT) as detailed below. There shall not be any Final University Examination (FUE) at this level. The marks obtained in IA during II BHMS will be added to the marks of IA in the IV BHMS University Examination.

## **Overall Scheme of Internal Assessment (IA)\*\***

| Professional Course/<br>Subject  | Term I (1-6 Months)    |  | Term II (7-12 Months)      |   |  |  |
|----------------------------------|------------------------|--|----------------------------|---|--|--|
| II BHMS/<br>Practice of Medicine | PA I (end of 3 months) | TT I (end of 6 months)   | PA II (end of 9<br>months) | TT II (end of 12 months)  |  |  |
|                                  | 20 Marks Viva- A       | <ul> <li>100 Marks Clinical/Practical and<br/>Viva - E</li> <li>i) Viva voce -50 marks</li> <li>ii) Clinical/practical*- 50</li> </ul> | 20 Marks Viva- <b>B</b>    | <ul> <li>100 Marks Clinical/Practical and Viva -</li> <li>F</li> <li>i) Viva voce -50 marks</li> <li>ii) Clinical/practical*- 50</li> </ul> |  |  |

\*Practical Examinations:

- i. Case taking: 20 Marks for case taking, including history, symptoms of patient in detail.
- ii. Examination skills: 10 marks for the proper demonstration of skills.
- iii. Bedside Q n A session: 15 marks for demonstrating understanding of concepts and for applying knowledge to identify the problem.
- iv. Spotters: 5 marks (Instruments: Identification and Indications; Reports: Observations, Causes, Diagnosis/Differential Diagnosis)

### \*\*Method of Calculation of Internal Assessment Marks in II BHMS for Final University Examination to be held in IV BHMS:

| Marks of PA I | Marks of PA II | Periodical Assessment<br>Average<br>PA I+ PA II /2 | Marks of TT I | Marks of TT II | Terminal Test Average<br>TT I + TT II / 200 x 20 | Final Internal<br>Assessment<br>Marks |
|---------------|----------------|--|---------------|----------------|--|---------------------------------------|
| Α             | В              | D  | Ε             | F              | G  | D+G/2                                 |

### 9. List of recommended text/reference books

- Alagappan, R. (2017). Manual of Practical Medicine (6th ed.). Jaypee Brothers Medical Publishers (P) Ltd.
- Penman I.D., Ralston S.H., Strachan M.W.J., & Hobson R. (2022). *Davidson's Principles and Practice of Medicine* (24th ed.) Elsevier Health Sciences.
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- Boericke, W. (2022). New Manual of Homoeopathic Materia Medica and Repertory with Relationship of Remedies: Including Indian Drugs, Nosodes Uncommon, Rare Remedies, Mother Tinctures, Relationship, Sides of the Body, Drug Affinities and List of Abbreviation (3rd ed.). B Jain Publishers Pvt Limited.
- Hahnemann, S. (2004). Organon of Medicine. B Jain Publishers Pvt Limited.
- Lilienthal, S. (2005). Homoeopathic therapeutics. B Jain Pub Pvt Limited.
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