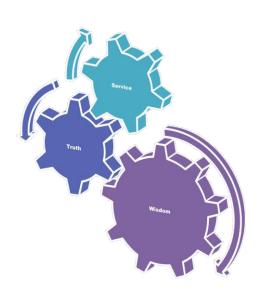


# Rawalpindi Medical University Department Of Medicine And Allied MEDICINE CLINICAL TRAINING PROGRAM LOGBOOK THIRD YEAR MBBS 2025

| Name of Student | _Roll No |  |
|-----------------|----------|--|
| RMU Reg No.     | <u></u>  |  |
| Address         |          |  |
|                 |          |  |
| Phone           | Email    |  |



## **University Moto, Vision, Values & Mission**



#### **Vision and Values**

Highly recognized and accredited center of excellence in Medical Education, using evidence-based training techniques for development of highly competent health professionals, who are critical thinkers, experiential self-directed lifelong learners and are socially accountable

#### **Mission Statement**

To impart evidence-based research-oriented health professional education in order to provide best possible patient care and inculcate the values of mutual respect, ethical practice of healthcare and social accountability.

#### **AIMS AND OBJECTIVES**

#### Aims:

- 1. To provide a structured and comprehensive record of clinical and procedural experiences during undergraduate training in Medicine and Allied specialties.
- 2. To ensure systematic documentation of the learning process and competencies achieved in alignment with curriculum and training requirements.
- 3. To serve as a reflective tool for self-assessment, enabling students to identify strengths and areas for improvement in clinical skills and knowledge.
- 4. To facilitate periodic evaluation by supervisors, fostering constructive feedback and personalized guidance.
- 5. To promote integration of evidence-based medicine and critical thinking into clinical practice.

#### **Objectives:**

- 1. **History Taking and Physical Examination:** a) Develop proficiency in taking detailed and accurate patient histories and conducting thorough physical examinations with appropriate consent and respect for patient dignity, autonomy and b) Understand the relevance of clinical findings in diagnosis and management.
- 2. **Skill Development:** a) Observe and acquire competency in core medical procedures such as intravenous cannulation, lumbar puncture, blood culture collection, and ECG technique, and b) Gain exposure to allied medical procedures such as thoracentesis, paracentesis etc under supervision.
- 3. **Patient Management:** a) Understand importance of documentation of detailed history, clinical notes, diagnostic plans, progress notes, and discharge summaries.
- 4. **Compliance with Training Program:** a) Ensure alignment with the requirements set by the training program and regulatory bodies for successful certification, b) Document clinical exposure and competencies systematically to fulfill assessment and certification criteria.
- 5. **Assessment and Evaluation:** a) Maintain a transparent, verifiable record of clinical and procedural exposure for supervisors to assess progress and provide structured feedback, and b) Facilitate formative assessments during periodic evaluations to address gaps and enhance learning.
- 6. **Research and Academic Growth:** a) Promote the application of evidence-based medicine in diagnostic and therapeutic decision-making, and b) Encourage participation in research which contributes to academic learning.
- 7. **Professional Development:** a) Instill a patient-centered approach to care, emphasizing empathy, communication skills, and ethical medical practice.

#### SOPS OF LOGBOOK DOCUMENTATION

- 1. Each student must complete their logbook daily, with signatures from facilitators.
- 2. Mini CEX marks should be recorded in the logbook.
- 3. All clinical work and procedures performed must be documented.
- 4. Every component of the logbook should be duly signed by the teacher regularly.
- 5. Maintaining a logbook record is essential for all professional years.
- 6. Evening clerkship should be documented in real time and signed by registrar on duty.
- 7. All students should wear white coat during clinical rotation.
- 8. All students should wear their ID batches during clinical rotation.
- 9. Please follow RMU attendance policy.
- 10. Students are required to submit leave applications in Principal office in case of leave due to illness or family emergencies.
- 11. Students will not be permitted to make up time missed without a leave application.
- 12. Students' time schedule for clinical rotation will be set in the timetable.
- 13. Students are required to attend the wards in the evening according to their unit schedule.
- 14. Students must write histories of all the patients on their allotted beds.
- 15. Morning reports will be presented from 8:30am-9:00 am for the third year.
- 16. Students are always expected to maintain a professional relationship with their patients.
- 17. Students must write at least 10 histories and clinical examinations and should have completed all Mini Clinical skill assessment.
- 18. Ward test at the end of clinical rotation is mandatory.
- 19. Your internal assessment will be based on ward test, Mini-CXE, workbook completion, behavior and attendance.
- 20. Please keep a photocopy of the logbook so it can be replaced if lost.
- 21. Logbook should be signed at the end of the rotation by HOD and countersigned by the DME department.

#### Medicine Clinical Training Program Week 1-2

| Н       | ospital | Unit                         | Duration fro | m                     | to     |   | -    |
|---------|---------|------------------------------|--------------|-----------------------|--------|---|------|
| No.     | Date    | Topic                        |              | Attendance<br>Morning | Sign   | Attendance<br>Evening                   | Sign |
| 1       |         |                              |              |                       |        |   |      |
| 2       |         |                              |              |                       |        |   |      |
| 3       |         |                              |              |                       |        |   |      |
| 4       |         |                              |              |                       |        |   |      |
| 5       |         |                              |              |                       |        |   |      |
| 6       |         |                              |              |                       |        |   |      |
| 7       |         |                              |              |                       |        |   |      |
| 8       |         |                              |              |                       |        |   |      |
| Но      | spital  | Medicine Clinical TrainiUnit |              |                       | to     |   |      |
| No.     | Date    | Topic                        |              | Attendance<br>Morning | Sign   | Attendance<br>Evening                   | Sign |
| 1       |         |                              |              |                       |        | 210111111111111111111111111111111111111 |      |
| 2       |         |                              |              |                       |        |   |      |
| 3       |         |                              |              |                       |        |   |      |
| 4       |         |                              |              |                       |        |   |      |
| 5       |         |                              |              |                       |        |   |      |
| 6       |         |                              |              |                       |        |   |      |
| 7       |         |                              |              |                       |        |   |      |
| 8       |         |                              |              |                       |        |   |      |
| Total [ | Javes   | _ Days Attended:             | % Signatur   | o of Incharge         | VD/SB· |   |      |
| Name    |         | Jnit:                        |              |                       |        |   | _    |

#### Medicine Clinical Training Program Week 5-6

| Ho     | spital   | Unit                    | Duration from _           |                       | _ to     |                       |      |
|--------|----------|-------------------------|---------------------------|-----------------------|----------|-----------------------|------|
| No.    | Date     | Topic                   |                           | Attendance<br>Morning | Sign     | Attendance<br>Evening | Sign |
| 1      |          |                         |                           |                       |          |                       |      |
| 2      |          |                         |                           |                       |          |                       |      |
| 3      |          |                         |                           |                       |          |                       |      |
| 4      |          |                         |                           |                       |          |                       |      |
| 5      |          |                         |                           |                       |          |                       |      |
| 6<br>7 |          |                         |                           |                       |          |                       |      |
| 8      |          |                         |                           |                       |          |                       |      |
|        | Hospital | <b>Medicine</b><br>Unit | Clinical TrainingDuration |                       |          | to                    |      |
| No.    | Date     | Topic                   |                           | Attendance            | Sign     | Attendance            | Sign |
|        |          |                         |                           | Morning               |          | Evening               | 5.6. |
| 1      |          |                         |                           |                       |          |                       |      |
| 2      |          |                         |                           |                       |          |                       |      |
| 3      |          |                         |                           |                       |          |                       |      |
| 4      |          |                         |                           |                       |          |                       |      |
| 5      |          |                         |                           |                       |          |                       |      |
| 6      |          |                         |                           |                       |          |                       |      |
| 7<br>8 |          |                         |                           |                       |          |                       |      |
| Tota   | <u> </u> |                         |                           |                       | <u> </u> | <u> </u>              |      |

#### Medicine Clinical Training Program Week 9-10

|      | Hospital _ | Unit             | :Dura          | tion from                | to _   |                       |      |          |
|------|------------|------------------|----------------|--------------------------|--------|-----------------------|------|----------|
| No.  | Date       | Topic            |                | Attendance<br>Morning    | e Sign | Attendance<br>Evening | Sign |          |
| 1    |            |                  |                |                          |        |                       |      |          |
| 2    |            |                  |                |                          |        |                       |      |          |
| 3    |            |                  |                |                          |        |                       |      |          |
| 5    |            |                  |                |                          |        |                       |      |          |
| 6    |            |                  |                |                          |        |                       |      |          |
| 7    |            |                  |                |                          |        |                       |      |          |
| 8    |            |                  |                |                          |        |                       |      |          |
| Name | Head of U  |                  |                | nature:g Program : MORNI |        |                       | _    |          |
| ſ    | Hospital   | Ur               |                | ration from              |        |                       |      | Sign     |
|      | INO.       | Date             | Case Fresented |                          |        | Ivial k5 (O5          | ,    | Jigii    |
|      | 1          |                  |                |                          |        |                       |      |          |
|      | 2          |                  |                |                          |        |                       |      |          |
|      | 3          |                  |                |                          |        |                       |      |          |
|      | 4          |                  |                |                          |        |                       |      |          |
|      | 5          |                  |                |                          |        |                       |      |          |
|      | 6          |                  |                |                          |        |                       |      |          |
|      | 7          |                  |                |                          |        |                       |      |          |
|      | 8          |                  |                |                          |        |                       |      |          |
| L    | Signature  | e of Incharge Al | P/SR:          | Name Head of Ur          | nit:   |                       | S    | ignature |

#### **EPA's FOR HISTORY AND EXAMINATION FOR MEDICINE TRAINING PROGRAM**

| EPA  | Task  | Learning Objectives   | EPA Level<br>/Supervisi<br>on level | Level<br>Achieved |
|--|---|---|-------------------------------------|-------------------|
| History Taking   | Students should be able to obtain a comprehensive history             | Students should be able to demonstrate art of history taking including all components of history.   | 3                                   |                   |
| General Physical examination                               | perform a detailed general physical examination.                      | Students should be able to take vitals accurately and identify common general physical findings.  | 3                                   |                   |
| GIT examination  | perform complete GI<br>examination                                    | Students should be able to demonstrate accurate method of abdominal examination including inspection, palpation and auscultation describe abnormal findings.                      | 3                                   |                   |
| Respiratory System examination                             | perform complete respiratory examination                              | students should be able to demonstrate accurate method of respiratory system examination including inspection, palpation, percussion auscultation and describe abnormal findings. | 3                                   |                   |
| Cardiovascular System<br>Examination                       | Perform complete CVS examination                                      | students should be able to demonstrate accurate method of cardiovascular examination including inspection, palpation auscultation and pick abnormal findings.                     | 3                                   |                   |
| Central Nervous<br>System Examination                      | perform complete CNS examination                                      | Students should be able to demonstrate accurate method of CNS including higher mental functions, cranial nerves, sensory, motor and cerebellar system examination.                | 3                                   |                   |
| Educate basic health information to patients and families. | Practice explaining basic health information to patients and families | Students should be able to communicate effectively with patients and families, provide health information and establish rapport with them.  | 2                                   |                   |
| Basic Life Support   | Perform basic life support  | Students should be able to perform all steps of resuscitation as per guidelines   | 2                                   |                   |
| Able to write progress notes in SOAP format.               | Write progress in SOAP format   | Students should be able to write morning progress in the form of Subjective, objective, assessment and  | 3                                   |                   |

| Tutor signature |  |  |  |  |
|-----------------|--|--|--|--|
|                 |  |  |  |  |

# **EPA's FOR SKILLS (PROCEDURES)**

| EPA                    | Task                        | Learning Objectives         | EPA Level/  | Level    |
|------------------------|-----------------------------|-----------------------------|-------------|----------|
|                        |                             |                             | Supervision | Achieved |
|                        |                             |                             | level       |          |
| I/V, I/M, S/C,         | Observe and perform         | Should be able to inject    | 2           |          |
| intradermal injections | IV/IM/SC/Intradermal        | IV/IM/SC/intradermal        |             |          |
|                        | injection after informed    | under direct supervision    |             |          |
|                        | consent                     | after obtaining informed    |             |          |
|                        |                             | consent.                    |             |          |
| I/V lines              | Observe and perform the     | Should be able to maintain  | 2           |          |
|                        | task of maintaining IV line | and IV line under           |             |          |
|                        |                             | supervision after taking    |             |          |
|                        |                             | informed consent            |             |          |
| Blood transfusion      | Observe blood transfusion   | Should observe the          | 1           |          |
|                        |                             | protocol of blood           |             |          |
|                        |                             | transfusion and should      |             |          |
|                        |                             | know the indication sand    |             |          |
|                        |                             | contraindications.          |             |          |
| Oxygen therapy         | Observe and attach          | Should have the             | 2           |          |
|                        | oxygen to the patient       | knowledge of oxygen         |             |          |
|                        |                             | delivery devices, their     |             |          |
|                        |                             | indications and should be   |             |          |
|                        |                             | able to attach oxygen to    |             |          |
|                        |                             | patients as per             |             |          |
|                        |                             | requirement.                |             |          |
| Nebulization           | Observe how to setup a      | Counsel the patient         | 1           |          |
|                        | nebulizer                   | regarding nebulization and  |             |          |
|                        |                             | demonstrate correct         |             |          |
|                        |                             | nebulization technique.     |             |          |
| inhaler technique      | Observe correct inhaler     | Should be able to educate   | 2           |          |
|                        | technique                   | and demonstrate correct     |             |          |
|                        |                             | use of inhaler              |             |          |
| Electrocardiogram      | Observe ECG procedure       | Should be able to correctly | 2           |          |
| Electiocal alogiani    | observe Led procedure       | identify and attach ECG     | -           |          |
|                        |                             | leads with correct          |             |          |
|                        |                             | placement.                  |             |          |
| Urinary                | Observe how to pass a       | Should be able to describe  | 1           |          |
| catheterization        | foley catheter.             | the indications and         |             |          |
|                        |                             | contraindications of Foley  |             |          |
|                        |                             | Catheter, types, uses.      |             |          |
| Passing the N/G Tube,  | Observe Nasogastric         | Should be able to describe  | 1           |          |
| feeding, suction, and  | intubation procedure        | the indications and         |             |          |
| stomach wash           |                             | contraindications of NG     |             |          |
|                        |                             | tube and its uses.          |             |          |
| Pass oropharyngeal     | Observe and assist with     | Should be able to describe  | 2           |          |
| airway and its         | oropharyngeal airway        | the indications and         |             |          |
| maintenance            | placement.                  | contraindications of        |             |          |
|                        |                             | Oropharyngeal airway and    |             |          |
|                        |                             | demonstrate how to pass     |             |          |
|                        |                             | an oropharyngeal airway     |             |          |
| Endotracheal tube      | Observe endotracheal        | Should be able to describe  | 1           |          |
| placement              | tube placement.             | the types, indications and  |             |          |

|   |   | contraindications of ETT.  |   |
|---|---|--|---|
| Endotracheal suction/maintenance of airway/nursing on side etc. | Observe and perform endotracheal suctioning/airway maintenance under supervision. | Should be able to perform endotracheal suctioning/air way maintenance under supervision. | 1 |
| Cardioversion therapy<br>(AED)                                  | Observe the use of AED/Defibrillator  | Should know the components and indications of AED and defibrillator.                     | 1 |
| Aspiration of fluids<br>(Pleural, Peritoneal)                   | Observe aspiration of fluids (Pleural, Peritoneal)                                | Should know the indications and contraindications of pleural/peritoneal aspiration       | 1 |

# CLINICAL MODULE ASSESSMENT /MINI CLINICAL EXAM(MINI-CEX)

| Date | Clinical Module<br>Assessment | Skill              | Knowledge<br>(5) | Skill assessment (5) | Behavior and attitude (2) | Total (10) | Sign |
|------|-------------------------------|--------------------|------------------|----------------------|---------------------------|------------|------|
|      | Clinical Module 1             | History taking and |                  |                      |                           |            |      |
|      |                               | GPE                |                  |                      |                           |            |      |
|      | Clinical Module 2             | Respiratory        |                  |                      |                           |            |      |
|      |                               | system exam        |                  |                      |                           |            |      |
|      | Clinical Module 3             | Cardiovascular     |                  |                      |                           |            |      |
|      |                               | system             |                  |                      |                           |            |      |
|      |                               | examination        |                  |                      |                           |            |      |
|      | Clinical Module 4             | Gastrointestinal   |                  |                      |                           |            |      |
|      |                               | system             |                  |                      |                           |            |      |
|      |                               | examination        |                  |                      |                           |            |      |
|      | Clinical Module 5             | Central nervous    |                  |                      |                           |            |      |
|      |                               | system             |                  |                      |                           |            |      |
|      |                               | examination        |                  |                      |                           |            |      |

| Percentage of Mini CEX out of 10 = |     | Sign |
|------------------------------------|-----|------|
| Average Score of Mini CEX =        | /10 |      |

#### **INTERNAL ASSESSMENT**

| INTERNAL ASSESSMENT                        |            |         | TOTAL MAKS       | 30        |
|--|------------|---------|------------------|-----------|
| Histories                                  | Attendance |         | Mini Clinical Ex | amination |
| 10 marks                                   | 10 marks   |         | 10 marks         |           |
| If 10 Histories written                    | >75%       | 10marks | 75 - 100%        | 10 marks  |
| 10 marks                                   |            |         |                  |           |
|  | 60-75%     | 7 marks | 50%-75%          | 7.5 marks |
| If less than 10 histories written: 0 marks | <60%       | 0 marks | <50%             | 0 marks   |

| Total number of Histories =                |  |      |
|--|--|------|
| Average score of Histories / 10 =          | <del></del>                            |      |
| Percentage of Attendance =                 |  |      |
| Average score of attendance / 10=          |  |      |
| Percenatge of Mini CEX =                   | _                                      |      |
| Average Score of Mini-CEX /10 =            |  |      |
| Total Internal assessment marks= Av. of Hx | + Av. of Attendance + Av. of mini CEX= | / 30 |
| Block marks = written exam + OSCE          | + AV OSCE =                            |      |
| Total Block Marks = Block + CIA =          | Percentage                             |      |
| In charge AP/SR                            | Signature:                             |      |
| Name Head of Unit:                         | Signature:                             |      |
| Remarks / comments:                        |  |      |
| HOD:                                       |  |      |
|  |  |      |
|  |  |      |
| Dean:                                      |  |      |

| Self-Evaluation       |             |      |  |
|-----------------------|-------------|------|--|
|                       |             |      |  |
|                       |             |      |  |
|                       |             | <br> |  |
|                       |             |      |  |
|                       |             | <br> |  |
|                       |             | <br> |  |
|                       |             | <br> |  |
|                       |             |      |  |
|                       |             |      |  |
|                       |             |      |  |
| Evolvetion by Teacher |             |      |  |
| Evaluation by Teacher |             |      |  |
|                       |             | <br> |  |
|                       |             |      |  |
|                       |             |      |  |
|                       |             | <br> |  |
|                       |             | <br> |  |
|                       |             | <br> |  |
|                       |             |      |  |
|                       |             |      |  |
|                       |             |      |  |
| Student Sign          |             |      |  |
| Grading               | Sign of HOD |      |  |

12

A Excellent, B Good, C Satisfactory, D Below Average, E Poor

# **Emergency Medicine Clinical Training Program**

|      |              |            |                               | to         |                       |      |
|------|--------------|------------|-------------------------------|------------|-----------------------|------|
| No.  | Date         | Topic      | Atten                         | dance Sign | Attendance<br>Evening | Sign |
| 1    |              |            |                               |            | - 0                   |      |
| 2    |              |            |                               |            |                       |      |
| 3    |              |            |                               |            |                       |      |
| 4    |              |            |                               |            |                       |      |
| 5    |              |            |                               |            |                       |      |
| 6    |              |            |                               |            |                       |      |
| 7    |              |            |                               |            |                       |      |
| 8    |              |            |                               |            |                       |      |
|      | R PROCE      |            | Duration from                 | to         |                       |      |
| Date |              |            |                               |            |                       |      |
| Jaco |              | Cases seen | Procedures observed           | Total (5)  | Sign                  |      |
|      |              | Cases seen |                               | Total (5)  | Sign                  |      |
|      |              | Cases seen |                               | Total (5)  | Sign                  |      |
|      |              | Cases seen |                               | Total (5)  | Sign                  |      |
|      |              | Cases seen |                               | Total (5)  | Sign                  |      |
| Ir   | nternal Asse | essment =  | observed/30                   |            |                       |      |
| Ir   | nternal Asse | essment =  | observed                      |            |                       |      |
| lı T | nternal Asse | essment =  | observed /30  Marks Obtained: |            |                       |      |

| Departm     | Department of Infectious Disease (Infectious Control & Patient Safety) |                   |     |  |  |  |
|-------------|--|-------------------|-----|--|--|--|
| Hospital :_ |  | Duration:         | _to |  |  |  |
|             | SELF DIRECTED LEARNING / CASE  | PRESENTATION LOG: |     |  |  |  |

| Date | Topic Observed/Self-<br>Learned | Details/Notes | Faculty<br>Remarks | Signature |
|------|---------------------------------|---------------|--------------------|-----------|
|      |                                 |               |                    |           |
|      |                                 |               |                    |           |
|      |                                 |               |                    |           |
|      |                                 |               |                    |           |
|      |                                 |               |                    |           |
|      |                                 |               |                    |           |
|      |                                 |               |                    |           |
|      |                                 |               |                    |           |
|      |                                 |               |                    |           |
|      |                                 |               |                    |           |
|      |                                 |               |                    |           |

#### **CONTINOUS INTERNAL ASSESSMENT**

| Assessment             | Total Marks | Marks Obtained | Percentage | Remarks | Signature |
|------------------------|-------------|----------------|------------|---------|-----------|
| End of Ward Assessment | 70          |                |            |         |           |
| Log Books              | 20          |                |            |         |           |
| Attendance             | 10          |                |            |         |           |
| TOTAL                  | 100         |                |            |         |           |

| Name of Head Of Unit: |  |
|-----------------------|--|
| Signature :           |  |
| Dato                  |  |

# **ENTRUSTABLE PROFESSIONAL ACTIVITIES (EPAs)**

# **Infectious Disease Department (Infectious Control & Patient Safety)**

| EPA   | Task   | Learning Objectives   | Supervision<br>Level                 |
|---|--|---|--------------------------------------|
| Understanding Infection Control Principles                    | Explain core infection control measures, including hand hygiene, PPE use, and isolation precautions. | Understand standard precautions and modes of transmission. Identify hospital protocols for infection control. | Level 1:<br>Observation              |
| Hand Hygiene & Personal Protective Equipment (PPE) Compliance | Demonstrate correct hand hygiene techniques and appropriate PPE selection.                           | Apply WHO's 5 moments of hand hygiene.  Differentiate PPE usage for various infections.                       | Level 2:<br>Direct<br>Supervision    |
| Sterilization & Disinfection Practices                        | Observe and explain hospital disinfection and sterilization protocols.                               | Recognize proper methods of equipment sterilization and environmental cleaning.                               | Level 1:<br>Observation              |
| Needle Stick<br>Injury & Post-<br>Exposure<br>Prophylaxis     | Identify risks and management of occupational exposure to bloodborne pathogens.                      | Understand post-exposure prophylaxis (PEP) protocols and emergency response.                                  | Level 2:<br>Direct<br>Supervision    |
| Antimicrobial<br>Stewardship<br>Implementation                | Explain antimicrobial resistance and appropriate antibiotic use.                                     | Apply stewardship principles to real-world clinical scenarios. Recognize inappropriate antibiotic use.        | Level 3:<br>Supervision<br>Available |
| Outbreak Investigation & Reporting                            | Participate in simulated outbreak investigations and reporting protocols.                            | Understand epidemiological principles of outbreak control. Demonstrate data collection and case tracing.      | Level 2:<br>Direct<br>Supervision    |
| Management of Multi-Drug Resistant Organisms (MDROs)          | Recognize infection control strategies for MDROs in clinical settings.                               | Identify risk factors and transmission routes of MDROs. Apply containment strategies.                         | Level 3:<br>Supervision<br>Available |
| Case Presentation & Self-Directed Learning (SDL)              | Present clinical cases focusing on infection control challenges and solutions.                       | Integrate clinical and infection control knowledge. Develop presentation and independent learning skills.     | Level 3:<br>Supervision<br>Available |

# **Department Of Radiology**

Duration:\_\_\_\_\_ to \_\_\_\_\_

| ate | Topic/Learning Objective                         |     | Attendance in SGIS |     | Attendance in<br>Reporting / Hands<br>On session |   |
|-----|--|-----|--------------------|-----|--|---|
|     |  | P/A | Time               | P/A | Time   | 1 |
|     | Introduction to Radiology and Basic principles   |     |                    |     |  |   |
|     | Approach to Cardiothoracic Imaging               |     |                    |     |  |   |
|     | Introduction to Abdominal Imaging                |     |                    |     |  |   |
|     | Approach to the Musculoskeletal imaging & Trauma |     |                    |     |  |   |
|     | Introduction to Gynaeco-pelvic Imaging           |     |                    |     |  |   |
|     | Introduction to Contrast Imaging techniques      |     |                    |     |  |   |
|     | Introduction to Cross Sectional imaging and Uses |     |                    |     |  |   |

#### **SELF DIRECTED LEARNING / CASE PRESENTATION LOG:**

| Date | Topic Observed/Self-<br>Learned | Details/Notes | Faculty<br>Remarks | Signature |
|------|---------------------------------|---------------|--------------------|-----------|
|      |                                 |               |                    |           |
|      |                                 |               |                    |           |
|      |                                 |               |                    |           |
|      |                                 |               |                    |           |
|      |                                 |               |                    |           |
|      |                                 |               |                    |           |
|      |                                 |               |                    |           |
|      |                                 |               |                    |           |
|      |                                 |               |                    |           |
|      |                                 |               |                    |           |

#### **ASSESSMENT**

#### **IMAGING INTERPREATION EXERCISE (IPX)**

| Sr. | Skill/Competency                   | Findings | Diagnosis | Marks    | Total | Signature |
|-----|------------------------------------|----------|-----------|----------|-------|-----------|
| No  |                                    |          |           | Obtained | Marks |           |
| 1   | Positioning for Chest X-ray        |          |           |          |       |           |
| 2   | Interpreting Chest X-ray Findings  |          |           |          |       |           |
| 3   | Abdominal Ultrasound Basics        |          |           |          |       |           |
| 4   | Musculoskeltal X ray Basics        |          |           |          |       |           |
| 5   | Identification of CT and MRI scans |          |           |          |       |           |

#### **CONTINUOUS INTERNAL ASSESSMENT**

| Assessment             | Total Marks | Marks Obtained | Percentage | Remarks | Signature |
|------------------------|-------------|----------------|------------|---------|-----------|
| End of Ward Assessment | 70          |                |            |         |           |
| Log Books              | 20          |                |            |         |           |
| Attendance             | 10          |                |            |         |           |
| TOTAL                  | 100         |                |            |         |           |

| Name of Head Of Unit: |   |
|-----------------------|---|
| Signature :           | _ |
| Date:                 |   |

#### **ENTRUSTABLE PROFESSIONAL ACTIVITIES (EPAs)**

#### **RADIOLOGY ROTATION**

| EPA   | Task  | Learning Objectives  | Supervision<br>Level                 |
|---|---|--|--------------------------------------|
| Understanding Basic<br>Radiology Principles   | Explain the basic principles of radiology, including radiation safety and imaging modalities. | Understand radiation physics, safety, and protection measures. Differentiate imaging modalities based on clinical scenarios. | Level 1:<br>Observation              |
| Positioning for<br>Chest X-rays               | Demonstrate correct patient positioning for chest X-rays.                                     | Properly position<br>patients for PA and<br>lateral chest X-rays to<br>ensure diagnostic quality.                            | Level 2: Direct<br>Supervision       |
| Interpreting Chest<br>X-ray Findings          | Identify normal and abnormal findings on chest X-rays.  | Recognize features of pneumothorax, pleural effusion, cardiomegaly, and pneumonia.   | Level 3:<br>Supervision<br>Available |
| Basic Abdominal<br>Ultrasound                 | Understand basic steps of an abdominal ultrasound.  | Learn to identify liver,<br>kidneys, gallbladder, and<br>free fluid on ultrasound.   | Level 2: Direct<br>Supervision       |
| Introduction to<br>Cross-Sectional<br>Imaging | Differentiate CT and MRI images and identify basic anatomical landmarks.                      | Understand the uses and basic interpretations of CT and MRI in clinical practice.  | Level 2: Direct<br>Supervision       |
| Approach to Musculoskeletal Imaging           | Interpret basic musculoskeletal X-rays for fractures and soft tissue injuries.                | Identify common fractures and dislocations on X-rays. Understand trauma imaging principles.                                  | Level 3:<br>Supervision<br>Available |
| Introduction to<br>Gynae-Pelvic<br>Imaging    | Observe and describe normal pelvic anatomy on ultrasound.                                     | Correlate gynecological conditions with pelvic ultrasound findings.  | Level 1:<br>Observation              |

| Introduction to Contrast Imaging Techniques        | Explain the indications, contraindications, and side effects of contrast agents. | Understand the safe use of contrast in CT, MRI, and fluoroscopy. Recognize common adverse reactions and their management.       | Level 1:<br>Observation              |
|--|--|---|--------------------------------------|
| Case Presentation<br>and Self-Directed<br>Learning | Present clinical cases with corresponding imaging findings.                      | Demonstrate integration of clinical knowledge with radiological findings. Develop independent learning and presentation skills. | Level 3:<br>Supervision<br>Available |
| Documentation and<br>Interpretation of<br>Reports  | Draft preliminary imaging findings and write basic imaging reports.              | Practice writing structured radiological reports for common imaging modalities.   | Level 3:<br>Supervision<br>Available |

# **Clinical Training Program- Skill lab**

| Hospit      | alUnit _  | [                      | Duration fro                                   | om                          | to              |       |           |      |
|-------------|---|------------------------|--|-----------------------------|-----------------|-------|-----------|------|
| Date        | Topic   | Attenda                | nce S  | ign A                       | ttendance       | Si    | gn        |      |
|             |   |                        |  |                             |                 |       |           |      |
|             |   |                        |  |                             |                 |       |           |      |
|             |   |                        |  |                             |                 |       |           |      |
|             |   |                        |  |                             |                 |       |           |      |
|             |   |                        |  |                             |                 |       |           |      |
|             |   |                        |  |                             |                 |       |           |      |
|             |   |                        |  |                             |                 |       |           |      |
|             | 1   | 1                      | <u>,                                      </u> |                             |                 | •     |           |      |
| Total D     | Days Days   | Attended               | Perce  | ntage                       | Sign            |       |           |      |
| Name o      | of Head of Unit   |                        |  |                             | Sign            |       |           |      |
|             |   |                        |  |                             |                 |       |           |      |
|             |   |                        |  |                             |                 |       |           |      |
|             |   |                        |  |                             |                 |       |           |      |
| Clinic      | cal Skills Asse   | ssment (M              | ini-CEX)-                                      | Skill lab                   |                 |       |           |      |
|             | cal Skills Asse   | •                      | _  |                             | to              |       |           |      |
|             |   | [                      | _  | om                          |                 |       | Total(10) | Sign |
| Hospit      | calUnit _   | Attitude/              | Duration from the behavior/ce                  | Approach to the patient     | Skill           |       |           | Sign |
| Hospit      | Skill Urinary   | Attitude/lappearan (3) | Duration from the behavior/ce                  | Approach to                 | Skill           |       |           | Sign |
| Hospit      | Skill  Urinary catheterization  | Attitude/lappearan (3) | Duration from the behavior/ce                  | Approach to the patient     | Skill           |       |           | Sign |
| Hospit      | Skill Urinary   | Attitude/appearan (3)  | Duration from the behavior/ce                  | Approach to the patient     | Skill           |       |           | Sign |
| Hospit      | Skill  Urinary catheterization NG Intubation/DRE Airway                           | Attitude/appearan (3)  | Duration from the behavior/ce                  | Approach to the patient     | Skill           |       |           | Sign |
| Hospit      | Skill  Urinary catheterization NG Intubation/DRE                                  | Attitude/appearan (3)  | Duration from the behavior/ce                  | Approach to the patient     | Skill           |       |           | Sign |
| Hospit      | Skill  Urinary catheterization NG Intubation/DRE Airway Management                | Attitude/appearan (3)  | Duration from the behavior/ce                  | Approach to the patient     | Skill           |       |           | Sign |
| Hospit      | Skill  Urinary catheterization NG Intubation/DRE Airway Management Venipuncture/I | Attitude/appearan (3)  | Duration from the behavior/ce                  | Approach to the patient     | Skill           |       |           | Sign |
| Hospit      | Skill  Urinary catheterization NG Intubation/DRE Airway Management Venipuncture/I | Attitude/appearan (3)  | Duration from the behavior/ce                  | Approach to the patient     | Skill           |       |           | Sign |
| <b>Date</b> | Skill  Urinary catheterization NG Intubation/DRE Airway Management Venipuncture/I | Attitude/lappearan (3) | behavior/                                      | Approach to the patient (2) | Skill asses (5) | sment |           | Sign |

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|---|----|----|-----|---|------|----|------|----|---|
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To equip them with essential knowledge, skill and attitude In order to enable them to

| Learning Outcomes  |
|--|
| By the end of 02-week skill lab the students will be able to:            |
| Perform airway assessment and manage airway                              |
| Administer drugs via different routes, mainly I.M, I.V and sub cutaneous |
| Conduct breast examination   |
| Conduct prostate examination   |
| Perform urinary catheterization in both genders                          |
| Apply basic principles of medical ethics                                 |

#### **EPA FOR SKILL LAB**

- 1.Perform basic airway management
- 2. Administer medications via different routes
- 3.Perform Breast examination
- 4.Perform prostate examination
- 5. Perform urinary catheterization
- 6. Insertion of nasogastric tube

| S.<br>no. | ЕРА                                       | COMPETENCIES   | CHECK LIST   | REMARKS   | LEVEL<br>ACHIEVED |
|-----------|---|--|--|---|-------------------|
| 1.        | Perform basic airway management           | - Knowledge of airway anatomy  - Ability to assess airway patency.  - Proficiency in techniques like headtilt, chin-lift, and jawthrust  - Skill in using airway adjuncts (e.g., oropharyngeal and nasopharyngeal airways)   | - Gather necessary equipment  - Assess patient's airway  - Apply appropriate airway maneuvers  - Insert airway adjuncts as needed  - Monitor patient's ventilation and oxygenation | Emphasis on mastering basic techniques before advancing to complex procedures. Simulation-based practice recommended.             |                   |
| 2.        | Administer medications via various routes | - Understanding pharmacokinetics and pharmacodynamics - Knowledge of indications and contraindications for each route - Proficiency in administering drugs orally, intravenously, intramuscularly, subcutaneously, and topically - Ability to monitor and manage potential adverse reactions | Verify patient identity  - Confirm drug, dose, and route  - Prepare medication aseptically  - Administer medication correctly  - Observe and document patient's response           | Prioritize patient safety by adhering to the "five rights" of medication administration. Supervised practice sessions beneficial. |                   |

| 3. | Perform urinary catheterization     | Knowledge of urinary tract anatomy  - Understanding indications and contraindications  - Aseptic technique proficiency  - Ability to recognize and manage complications                                 | Explain procedure to patient  - Gather and prepare sterile equipment  - Perform hand hygiene and uses sterile gloves  - Cleanse urethral opening  - Insert catheter gently  - Ensure urine flow and secure catheter  - Document procedure details  | Emphasize infection control practices. Simulation training is recommended before patient procedures.   |  |
|----|-------------------------------------|---|--|--|--|
| 4. | Conduct clinical breast examination | Knowledge of breast anatomy and common pathologies  - Proficiency in inspection and palpation techniques  - Ability to identify abnormal findings  - Effective communication skills for patient comfort | - Obtain informed consent - Provide privacy and appropriate draping - Inspect breasts in various positions - Palpate all quadrants systematically Examine axillary and supraclavicular regions - Discuss findings with patient Document examination thoroughly. Sensitivity and respect are crucial. Encourage regular self-examinations and provide patient education | Sensitivity and respect are crucial. Encourage regular self-examinations and provide patient education |  |

| 5. | Perform digital rectal examination (DRE) of the prostate | - Understanding of prostate anatomy and common conditions - Skill in performing DRE - Ability to identify normal and abnormal findings - Communication skills to explain procedure and findings to patient   | - Explain procedure and obtain consent  - Ensure patient comfort and privacy  - Perform hand hygiene and wear gloves  - Lubricate gloved finger  - Gently insert your finger into rectum  - Palpate prostate gland  - Assess size, shape, and consistency  - Withdraw finger and clean area  - Discuss findings and document | Approach with professionalism and sensitivity. Address patient concerns and provide clear explanations.   |  |
|----|--|--|--|---|--|
| 6. | Perform nasogastric tube insertion                       | - Understand indications and contraindications for NG tube insertion Knowledge of nasal and gastrointestinal anatomy Proficiency in aseptic techniques Ability to confirm correct tube placement Effective communication skills to explain the procedure and obtain consent. | - Verify physician's order for NG tube insertion.  - Perform hand hygiene and use appropriate personal protective equipment.  - Introduce yourself to the patient and confirm their identity.  - Explain the procedure, its purpose, and obtain informed consent.  - Assess the patient's nasal patency and                  | Emphasize the importance of confirming tube placement to prevent complications. Simulation-based practice is recommended to build confidence and proficiency. |  |

| <br>                 |
|----------------------|
| select the           |
| appropriate          |
| nostril.             |
|                      |
| - Measure the        |
| tube length: from    |
| the tip of the nose  |
| to the earlobe,      |
| then to the          |
| xiphoid process,     |
| and mark the         |
| length.              |
| iength.              |
| - Lubricate the      |
| distal end of the    |
| tube with water-     |
| soluble lubricant.   |
| Soluble lubilicalit. |
| - Position the       |
| patient in a high    |
| Fowler's position    |
|                      |
| (sitting upright).   |
| - Gently insert the  |
| tube into the        |
| selected nostril,    |
| advancing it along   |
| the floor of the     |
|                      |
| nasal passage.       |
| - When the tube      |
| reaches the          |
|                      |
| oropharynx,          |
| encourage the        |
| patient to swallow   |
| sips of water to     |
| facilitate passage   |
| into the             |
| esophagus.           |
|                      |
| - Advance the        |
| tube to the          |
| predetermined        |
| mark.                |
|                      |
| - Confirm            |
| placement by         |
| aspirating gastric   |
| contents and         |
| checking pH          |
| (should be 1.0 to    |
| 5.5)                 |
|                      |
| - Secure the tube    |
| to the patient's     |
| nose using tape or   |
| nose using tape or   |

| a fixation device. |
|--------------------|
| - Attach the tube  |
| to the prescribed  |
|                    |
| drainage or        |
| feeding setup.     |
| - Dispose of used  |
| equipment          |
| appropriately and  |
| perform hand       |
| hygiene.           |
| nygiene.           |
| - Document the     |
| procedure,         |
| including tube     |
| size, insertion    |
| depth,             |
| confirmation of    |
| placement, and     |
| patient tolerance. |
|                    |

#### **Gastroenterology Clinical Training Program Week 1-2**

| No. | Date | Topic | Attendance Morning | Sign |
|-----|------|-------|--------------------|------|
| 1   |      |       |                    |      |
| 2   |      |       |                    |      |
| 3   |      |       |                    |      |
| 4   |      |       |                    |      |
| 5   |      |       |                    |      |
| 6   |      |       |                    |      |
| 7   |      |       |                    |      |
| 8   |      |       |                    |      |

| Hospital | Unit | Duration from | to |
|----------|------|---------------|----|
| •        |      |               |    |
|          |      |               |    |

#### **Gastroenterology Clinical Training Program Week 1-2**

| No. | Date | Topic | Attendance Evening | Sign |
|-----|------|-------|--------------------|------|
| 1   |      |       |                    |      |
|     |      |       |                    |      |
| 2   |      |       |                    |      |
| 3   |      |       |                    |      |
| 4   |      |       |                    |      |
| 5   |      |       |                    |      |
| 6   |      |       |                    |      |
| 7   |      |       |                    |      |
| 8   |      |       |                    | _    |

# **Self-Directed Learning For Gastroentrology Clinical Training Program**

| Date | Topic Observed/Self-Learned | Faculty Remarks | Signature |
|------|-----------------------------|-----------------|-----------|
|      |                             |                 |           |
|      |                             |                 |           |
|      |                             |                 |           |
|      |                             |                 |           |
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|      |                             |                 |           |
|      |                             |                 |           |

# **EPA's History and Examination For Gastroentrology Clinical Training Program**

| EPA  | Task   | Learning Objectives   | EPA Level<br>/Supervisi<br>on level | Level<br>Achieve<br>d |
|--|--|---|-------------------------------------|-----------------------|
| History Taking   | Students should be able to obtain a comprehensive history              | Students should be able to demonstrate art of history taking including all components of history.   | 3                                   |                       |
| General Physical examination   | Perform a detailed general physical examination.                       | Students should be able to take vitals accurately and identify common general physical findings.  | 3                                   |                       |
| GIT examination  | Perform GI examination   | Students should be able to demonstrate accurate methods of abdominal examination including inspection, palpation and describe their abnormal findings.        | 3                                   |                       |
| GIT examination  | Perform GI examination   | Students should be able to demonstrate accurate methods of abdominal examination including auscultation, percussion and describe their abnormal findings.     | 3                                   |                       |
| Educate basic disease/<br>problem information to<br>patients and families. | Practice explaining basic problem information to patients and families | Students should be able to communicate effectively with patients and families, to provide basic disease/ problem information and establish rapport with them. | 2                                   |                       |
| Able to write progress notes in SOAP format.                               | Write progress in SOAP format  | Students should be able to write<br>morning progress notes in the form of<br>Subjective, Objective, Assessment and<br>Plan                                    | 3                                   |                       |
| EPA level 1 = Observat<br>EPA Level 3= Supervisi                           |  | 2 = Direct supervision<br>4= Performs independently   |                                     |                       |

#### **EPA's Skills (Procedures)**

| EPA                                      | Task  | Learning Objectives   | EPA Level/<br>Supervision<br>level | Level<br>Achieved |
|--|---|---|------------------------------------|-------------------|
| I/V, I/M, S/C,<br>intradermal injections | Observe and perform IV/IM/SC/Intradermal injection after informed consent | Should be able to inject IV/IM/SC/intradermal under direct supervision after obtaining informed consent.                                | 2                                  |                   |
| I/V lines                                | Observe and perform the task of maintaining IV line                       | Should be able to maintain line IV under supervision after taking informed consent  | 2                                  |                   |
| Blood transfusion                        | Observe blood transfusion   | Should observe the protocol of blood transfusion and should know the indications and contraindications.                                 | 1                                  |                   |
| Oxygen therapy                           | Observe and attach oxygen to the patient                                  | Should have knowledge of oxygen delivery devices, their indications and should be able to attach oxygen to patients as per requirement. | 2                                  |                   |
| Passing the N/G Tube, feeding, suction.  | Observe Nasogastric intubation procedure                                  | Should be able to describe the indications and contraindications of NG tube and its uses.   | 1                                  |                   |
| Aspiration for ascitic fluid             | Observe aspiration of ascitic fluid                                       | Should know the indications and contraindications of peritoneal aspiration  | 2/1                                |                   |

| Tutor signature |  |
|-----------------|--|
| Tutoi signature |  |

#### ASSESSMENT OF GASTROENTROLOGY CLINICAL TRAINING PROGRAM

OSCE:

**Total stations: 7** 

Each station mark: 10

| Sr. | Skill/Competency                        | Findings | Diagnosis | Marks    | Total | Signature |
|-----|---|----------|-----------|----------|-------|-----------|
| No  |   |          |           | Obtained | Marks |           |
| 1   | Structured History of Dysphagia         |          |           |          |       |           |
| 2   | Structured History of GI Bleed          |          |           |          |       |           |
| 3   | Structured History of abdominal         |          |           |          |       |           |
|     | distension                              |          |           |          |       |           |
| 4   | Structured History of abdominal pain    |          |           |          |       |           |
| 5   | GPE (focused on gastrointestinal signs) |          |           |          |       |           |
| 6   | Abdominal examination (inspection &     |          |           |          |       |           |
|     | palpation)                              |          |           |          |       |           |
| 7   | Abdominal examination ( palpation &     |          |           |          |       |           |
|     | percussion)                             |          |           |          |       |           |

#### **Continuous Internal Assessment**

| CIA   |            |         | Total Marks: 30 |
|---|------------|---------|-----------------|
| Histories and   | Attendance |         |                 |
| Logbook   |            |         |                 |
| 20 marks  | 10 marks   |         |                 |
| If 5 Histories and Logbook are completed              |            |         |                 |
| 20 marks  | >90%       | 10marks |                 |
| less than 5 histories and<br>Logbook is not completed |            |         |                 |
| 0 marks   |            |         |                 |
|   | <80%       | 0 marks |                 |

| Total number of Histories =5            |                         |
|---|-------------------------|
| Logbook entries : Yes/ No               |                         |
| Average score =                         |                         |
| Percentage of Attendance =              |                         |
| Average score of attendance =           |                         |
| Total CIA marks = Av. of Hx & Logbook + | Av. of Attendance =/ 30 |
| Ward test marks = OSCE + AV OSCE        | =/70                    |
| Total Marks = Ward test + CIA =         | Percentage              |
| In charge AP/SR                         | Signature:              |
| Name Head of Unit:                      | Signature:              |

# Core Competencies for Undergraduate MBBS Students As Defined By PMDC

#### A. Professionalism:

Demonstrating ethical behavior, empathy, cultural sensitivity, and accountability in patient care.

#### B. Medical Knowledge:

Thorough understanding of basic medical sciences and clinical conditions, including diagnosis and management.

#### C. Clinical Skills:

Performing physical examinations, interpreting diagnostic tests, and applying clinical reasoning to patient care.

#### D. Communication Skills:

Effectively communicating with patients, families, and healthcare team members, adapting to diverse cultural backgrounds.

#### E. Community Health Awareness:

Understanding the social determinants of health and promoting preventive medicine within the community.

### F. Lifelong Learning:

Commitment to continuous professional development and staying updated with medical advancements.