



EASTERN MEDICAL COLLEGE, COMILLA

Academic Calendar of Phase-3

EMC-12 Batch (Session 2015-16)

Academic Calendar of Pharmacology & Therapeutics Course for EMC-12

| Phase III (Fourth Year) | | 3rd Professional MBBS Examination, May-2019 |
|--|--|---|
| TERM I July 2018 – October 2018 (Term I Final Exam, October 2018) | TERM II November 2018 – March 2019 (Term II Final Exam, March 2019) [Review Class & Assessment Exam, April 2019] | |
| Lectures: 57 hrs <ul style="list-style-type: none"> General Principles of Pharmacology - 15 hrs Autonomic Pharmacology - 12 hrs Renal & Cardiovascular Pharmacology - 10 hrs Hematological Pharmacology – 05 hrs Endocrine Pharmacology – 09 hrs Gastrointestinal Pharmacology – 06 hrs | Lectures: 43 hrs <ul style="list-style-type: none"> Central Nervous System Pharmacology - 13 hrs Autacoids, Anti-inflammatory Drugs & Respiratory Pharmacology - 07 hrs Antimicrobials & Chemotherapy - 17 hrs Clinical Pharmacology – 06 hrs | |
| Tutorials: 20 hrs <ul style="list-style-type: none"> Introduction to GP, Pharmacokinetics - 02 hrs Pharmacodynamics - 02 hrs Cholinergic & Anticholinergic Drugs – 02 hrs Adrenergic & Antiadrenergic Drugs – 02 hrs Renal & Cardiovascular Drugs – 04 hrs Endocrine & Reproductive Drugs – 04 hrs Gastrointestinal Drugs – 04 hrs | Tutorials: 10 hrs <ul style="list-style-type: none"> Sedatives & Hypnotics, Antipsychotics, Antidepressants – 01 hr Opioid Analgesics, Anaesthetics, Anticonvulsants, Antiparkinsonian Drugs - 01 hr Autacoids & NSAIDs, Respiratory Drugs – 02 hrs Antimicrobials & Chemotherapy – 04 hrs Clinical Pharmacology & Rational Use of Medicine (RUM) – 02 hrs | |
| Practical & Demonstrations: 32 hrs <ul style="list-style-type: none"> Prescription Writing – 04 hrs Dosage Formulations & Drug Delivery Techniques – 04 hrs Pharmacokinetic Study – 04 hrs Pharmacodynamic Study – 06 hrs Study of CVS effects of Drugs – 02 hrs Study of Autonomic Receptor function – 06 hrs Study of Drugs on Skeletal N-M junction - 04 hrs Exercise on ADR reporting form fill-up – 02 hrs | Practical & Demonstrations: 18 hrs <ul style="list-style-type: none"> Drug Information Sources – 04 hrs Prescription Audit - 04 hrs Essential Drug List - 04 hrs Exercise on selection of 'P' Drugs – 06 hrs Clinical Case Report Assignment with presentation: 20 hrs | |
| Total Teaching hours including Assessment: 200 hrs | | |

Mark Distribution of Assessment of Pharmacology & Therapeutics in Third Professional MBBS Examination:

| Component | Marks | Total Marks |
|--|--|-------------|
| Theoretical Examination <ul style="list-style-type: none"> Formative Assessment Written Examination (MCQ + SAQ) <ul style="list-style-type: none"> MCQ SAQ (Group A + Group B + Group C + Group D) | 10 90 (20+70) 20 70 (17.5+17.5+17.5+17.5) | 100 |
| Practical Examination <ul style="list-style-type: none"> Traditional Practical Examination OSPE + Procedure Station Clinical Case Study Report Experimental Pharmacology Note Book | 30 40 (35+5) 20 10 | 100 |
| Structured Oral Examination (SOE) <ul style="list-style-type: none"> Board I + Board II | 50+50 | 100 |
| Grand Total (Pass Marks: 60% in each of Theoretical, Oral & Practical Examination) | | 300 |

Academic Calendar of Pathology Course for EMC-12

| Phase III (FOURTH YEAR) | | 3rd Professional MBBS Examination, May-2019 |
|--|--|---|
| TERM I July 2018 – October 2018 (Term I Final Exam, October 2018) | TERM II November 2018 - April 2019 (Term II Final Exam, March 2019) [Review Class & Assessment Exam, April 2019] | |
| Lecture (50 hours) <ul style="list-style-type: none"> • General Pathology (35 hours) • Hematology (15 hours) | Lecture (50 hours) <ul style="list-style-type: none"> • Systemic Pathology (40 hours) • Clinical & chemical Pathology (10 hours) | |
| Tutorials (50 hours) <ul style="list-style-type: none"> • General Pathology (36 hours) • Hematology (14 hrs) | Tutorials (50 hours) <ul style="list-style-type: none"> • Systemic Pathology (40 hours) • Clinical & chemical Pathology (10 hours) | |
| Practical (18 hours) <ul style="list-style-type: none"> • Collection of blood sample with preservation, transport and preparation for various hematology test, practical note-book. • Staining of blood film. • Estimation of hemoglobin. • PCV, TC of RBC, calculation of red cell indices. • Erythrocyte sedimentation rate (ESR). • TC of WBC. • Peripheral blood film. • Pancytopenia. • Circulating eosinophil count, Platelet count. • Leukemias. • Bleeding time, Clotting time & prothrombin time. • Blood grouping & Cross-matching. • Normal bone marrow. • Specimens and slides of systemic organ. | Practical (10 hours) <ul style="list-style-type: none"> • Estimation of blood sugar. • Demonstration and interpretation of liver function test. • Demonstration and interpretation of renal function test. • Gross summary on chemical pathology. • Routine study of urine. • Routine study stool. • Study of sputum. • Study of CSF • Study of body fluids (peritonea, Pleural, synovial etc). • Semen analysis and its interpretations. • Reporting, Laboratory record maintenance and care of laboratory equipments. <p>Clinical Case Report Assignment with presentation: 20 hours</p> | |
| Total Teaching hours including Assessment: 228 hours | | |

Mark Distribution of Assessment of Pathology in Third Professional MBBS Examination:

| Component | Marks | Total Marks |
|--|--------------------------------------|-------------|
| Theoretical Examination <ul style="list-style-type: none"> • Formative Assessment • Written Examination (MCQ + SAQ) <ul style="list-style-type: none"> • MCQ • SAQ (Group A + Group B) | 10 90 (20+70) 20 70 (35+35) | 100 |
| Practical Examination <ul style="list-style-type: none"> • OSPE • Traditional • Practical Note Book & Case history | 50 40 10 (6+4) | 100 |
| Structured Oral Examination (SOE) <ul style="list-style-type: none"> • Board I + Board II | 50+50 | 100 |
| Grand Total (Pass Marks: 60% in each of Theoretical, Oral & Practical Examination) | | 300 |

Academic Calendar of Microbiology Course for EMC-12

| Phase III (FOURTH YEAR) | | 3rd Professional MBBS Examination, May-2019 |
|--|---|---|
| TERM I July 2018 – October 2018 (Term I Final Exam, October 2018) | TERM II November 2018 - April 2019 (Term II Final Exam, March 2019) [Review Class & Assessment Exam, April 2019] | |
| Lecture (50 hours) <ul style="list-style-type: none"> • General Bacteriology (10 hours) • Systemic Bacteriology (23 hours) • Immunology (17 hours) | Lecture (50 hours) <ul style="list-style-type: none"> • Parasitology (18 hours) • Virology (13 hours) • Mycology (06 hours) • Clinical Microbiology (13 hours) | |
| Tutorials (24 hours) <ul style="list-style-type: none"> • General Bacteriology (05 hours) • Systemic Bacteriology (15 hours) • Immunology (04 hours) | Tutorials (21 hours) <ul style="list-style-type: none"> • Parasitology (10 hours) • Virology (04 hours) • Mycology (02 hours) • Clinical Microbiology (05 hours) | |
| Practical (19 hours) <ul style="list-style-type: none"> • General Bacteriology (12 hours) • Systemic Bacteriology (02 hours) • Immunology (05 hours) | Practical (26 hours) <ul style="list-style-type: none"> • Parasitology (14 hours) • Virology (00 hours) • Mycology (02 hours) • Clinical Microbiology (10 hours) | |
| Total Teaching hours: 190 hours | | |

Mark Distribution of Assessment of Pathology in Third Professional MBBS Examination:

| Component | Marks | Total Marks |
|--|--|-------------|
| Theoretical Examination <ul style="list-style-type: none"> • Formative Assessment • Written Examination (MCQ + SAQ) <ul style="list-style-type: none"> • MCQ • SAQ (Group A + Group B + Group C + Group D) | 10 90 (20+70) 20 70 (17.5+17.5+17.5+17.5) | 100 |
| Practical Examination <ul style="list-style-type: none"> • OSPE • Traditional • Practical Note Book | 50 40 10 | 100 |
| Structured Oral Examination (SOE) <ul style="list-style-type: none"> • Board I + Board II | 50+50 | 100 |
| Grand Total (Pass Marks: 60% in each of Theoretical, Oral & Practical Examination) | | 300 |

Consolidated Teaching Hours for Microbiology

| Subject | Theoretical | | Practical | Total |
|--------------------------|-------------|-----------|-----------|------------|
| | Lecture | Tutorial | | |
| 1. General Bacteriology | 10 | 5 | 12 | 26 |
| 2. Systemic Bacteriology | 23 | 15 | 02 | 41 |
| 3. Immunology | 17 | 04 | 05 | 25 |
| 4. Parasitology | 18 | 10 | 14 | 43 |
| 5. Virology | 13 | 04 | 00 | 16 |
| 6. Mycology | 06 | 02 | 02 | 10 |
| 7. Clinical Microbiology | 13 | 05 | 10 | 29 |
| Total | 100 | 45 | 45 | 190 |

| Term I Allotted time (93 Hours) | | | | Term II Allotted time (97 Hours) | | | |
|---------------------------------|-----------------------|------------------------|-------------------------|----------------------------------|-----------------------|------------------------|-------------------------|
| Subject | Lecture (50 hours) | Tutorial (24 hours) | Practical (19 hours) | Subject | Lecture (50 hours) | Tutorial (21 hours) | Practical (26 hours) |
| General Bacteriology | 10 | 05 | 12 | Parasitology | 18 | 10 | 14 |
| Systemic Bacteriology | 23 | 15 | 02 | Virology | 12 | 04 | 00 |
| Immunology | 17 | 04 | 05 | Mycology | 06 | 02 | 02 |
| | | | | Clinical Microbiology | 14 | 05 | 10 |