



# EASTERN MEDICAL COLLEGE, COMILLA

## Academic Calendar of Phase-3 (4th Year)

### EMC-14 Batch (Session 2017-18)

### Academic Calendar of Pharmacology & Therapeutics Course for EMC-14

Phase III (Fourth Year)		3rd Professional MBBS Examination, May-2021
TERM I July 2020 – October 2020 (Term I Final Exam, October 2020)	TERM II November 2020 – March 2021 (Term II Final Exam, March 2021) [Review Class & Assessment Exam, April 2021]	
<b>Lectures: 57 hours</b> <ul style="list-style-type: none"> <li>• General Principles of Pharmacology – 15 hours</li> <li>• Autonomic Pharmacology – 12 hours</li> <li>• Renal &amp; Cardiovascular Pharmacology – 10 hours</li> <li>• Hematological Pharmacology – 05 hours</li> <li>• Endocrine Pharmacology – 09 hours</li> <li>• Gastrointestinal Pharmacology – 06 hours</li> </ul>	<b>Lectures: 43 hours</b> <ul style="list-style-type: none"> <li>• Central Nervous System Pharmacology – 13 hours</li> <li>• Autacoids, Anti-inflammatory Drugs &amp; Respiratory Pharmacology – 07 hours</li> <li>• Antimicrobials &amp; Chemotherapy – 17 hours</li> <li>• Clinical Pharmacology – 06 hours</li> </ul>	
<b>Tutorials: 20 hours</b> <ul style="list-style-type: none"> <li>• Introduction to GP, Pharmacokinetics – 2 hours</li> <li>• Pharmacodynamics – 2 hours</li> <li>• Cholinergic &amp; Anticholinergic Drugs – 2 hours</li> <li>• Adrenergic &amp; Antiadrenergic Drugs – 2 hours</li> <li>• Renal &amp; Cardiovascular Drugs – 4 hours</li> <li>• Endocrine &amp; Reproductive Drugs – 4 hours</li> <li>• Gastrointestinal Drugs – 4 hours</li> </ul>	<b>Tutorials: 10 hours</b> <ul style="list-style-type: none"> <li>• Sedatives &amp; Hypnotics, Antipsychotics, Antidepressants – 1 hour</li> <li>• Opioid Analgesics, Anesthetics, Anticonvulsants, Antiparkinsonian Drugs – 1 hour</li> <li>• Autacoids &amp; NSAIDs, Respiratory Drugs – 2 hours</li> <li>• Antimicrobials &amp; Chemotherapy – 4 hours</li> <li>• Clinical Pharmacology &amp; Rational Use of Medicine (RUM) – 2 hours</li> </ul>	
<b>Practical &amp; Demonstrations: 32 hours</b> <ul style="list-style-type: none"> <li>• Prescription Writing – 4 hours</li> <li>• Dosage Forms &amp; Drug Delivery Techniques – 4 hours</li> <li>• Pharmacokinetic Study – 4 hours</li> <li>• Pharmacodynamic Study – 6 hours</li> <li>• Study of CVS effects of Drugs – 2 hours</li> <li>• Study of Autonomic Receptor function – 6 hours</li> <li>• Study of Drugs on Skeletal N-M junction – 4 hours</li> <li>• Exercise on ADR reporting form fill-up – 2 hours</li> </ul>	<b>Practical &amp; Demonstrations: 18 hours</b> <ul style="list-style-type: none"> <li>• Drug Information Sources – 4 hours</li> <li>• Prescription Audit – 4 hours</li> <li>• Essential Drug List – 4 hours</li> <li>• Exercise on selection of 'P' Drugs – 6 hours</li> </ul> <b>Clinical Case Report Assignment with presentation: 20 hours</b>	
<b>Total Teaching hours including Assessment: 200 hours</b>		

### Mark Distribution of Assessment of Pharmacology & Therapeutics in Third Professional MBBS Exam.:

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

## Academic Calendar of Pathology Course for EMC-14

Phase III (FOURTH YEAR)		3rd Professional MBBS Examination, May-2021
TERM I July 2020 – October 2020 (Term I Final Exam, October 2020)	TERM II November 2020 - April 2021 (Term II Final Exam, March 2021) [Review Class & Assessment Exam, April 2021]	
<b>Lecture (50 hours)</b> <ul style="list-style-type: none"> <li>• General Pathology (35 hours)</li> <li>• Hematology (15 hours)</li> </ul>	<b>Lecture (50 hours)</b> <ul style="list-style-type: none"> <li>• Systemic Pathology (40 hours)</li> <li>• Clinical &amp; chemical Pathology (10 hours)</li> </ul>	
<b>Tutorials (50 hours)</b> <ul style="list-style-type: none"> <li>• General Pathology (36 hours)</li> <li>• Hematology (14 hours)</li> </ul>	<b>Tutorials (50 hours)</b> <ul style="list-style-type: none"> <li>• Systemic Pathology (40 hours)</li> <li>• Clinical &amp; chemical Pathology (10 hours)</li> </ul>	
<b>Practical (18 hours)</b> <ul style="list-style-type: none"> <li>• Collection of blood sample with preservation, transport and preparation for various hematology test, practical note-book.</li> <li>• Staining of blood film.</li> <li>• Estimation of hemoglobin.</li> <li>• PCV, TC of RBC, calculation of red cell indices.</li> <li>• Erythrocyte sedimentation rate (ESR).</li> <li>• TC of WBC.</li> <li>• Peripheral blood film.</li> <li>• Pancytopenia.</li> <li>• Circulating eosinophil count, Platelet count.</li> <li>• Leukemias.</li> <li>• Bleeding time, Clotting time &amp; prothrombin time.</li> <li>• Blood grouping &amp; Cross-matching.</li> <li>• Normal bone marrow.</li> <li>• Specimens and slides of systemic organ.</li> </ul>	<b>Practical (10 hours)</b> <ul style="list-style-type: none"> <li>• Estimation of blood sugar.</li> <li>• Demonstration and interpretation of liver function test.</li> <li>• Demonstration and interpretation of renal function test.</li> <li>• Gross summary on chemical pathology.</li> <li>• Routine study of urine.</li> <li>• Routine study stool.</li> <li>• Study of sputum.</li> <li>• Study of CSF</li> <li>• Study of body fluids (peritonea, Pleural, synovial etc.).</li> <li>• Semen analysis and its interpretations.</li> <li>• Reporting, Laboratory record maintenance and care of laboratory equipment.</li> </ul> <p>Clinical Case Report Assignment with presentation: 20 hours</p>	
<b>Total Teaching hours including Assessment: 228 hours</b>		

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

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

## Academic Calendar of Microbiology Course for EMC-14

Phase III (FOURTH YEAR)		3rd Professional MBBS Examination, May-2021
TERM I July 2020 – October 2020 (Term I Final Exam, October 2020)	TERM II November 2020 - April 2021 (Term II Final Exam, March 2021) [Review Class & Assessment Exam, April 2021]	
<b>Lecture (50 hours)</b> <ul style="list-style-type: none"> <li>• General Bacteriology (10 hours)</li> <li>• Systemic Bacteriology (23 hours)</li> <li>• Immunology (17 hours)</li> </ul>	<b>Lecture (50 hours)</b> <ul style="list-style-type: none"> <li>• Parasitology (18 hours)</li> <li>• Virology (13 hours)</li> <li>• Mycology (06 hours)</li> <li>• Clinical Microbiology (13 hours)</li> </ul>	
<b>Tutorials (24 hours)</b> <ul style="list-style-type: none"> <li>• General Bacteriology (05 hours)</li> <li>• Systemic Bacteriology (15 hours)</li> <li>• Immunology (04 hours)</li> </ul>	<b>Tutorials (21 hours)</b> <ul style="list-style-type: none"> <li>• Parasitology (10 hours)</li> <li>• Virology (04 hours)</li> <li>• Mycology (02 hours)</li> <li>• Clinical Microbiology (05 hours)</li> </ul>	
<b>Practical (19 hours)</b> <ul style="list-style-type: none"> <li>• General Bacteriology (12 hours)</li> <li>• Systemic Bacteriology (02 hours)</li> <li>• Immunology (05 hours)</li> </ul>	<b>Practical (26 hours)</b> <ul style="list-style-type: none"> <li>• Parasitology (14 hours)</li> <li>• Virology (00 hours)</li> <li>• Mycology (02 hours)</li> <li>• Clinical Microbiology (10 hours)</li> </ul>	
<b>Total Teaching hours: 190 hours</b>		

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

Component	Marks	Total Marks
<b>Theoretical Examination</b> <ul style="list-style-type: none"> <li>• Formative Assessment</li> <li>• Written Examination (MCQ + SAQ)                             <ul style="list-style-type: none"> <li>• MCQ</li> <li>• SAQ (Group A + Group B + Group C + Group D)</li> </ul> </li> </ul>	10 90 (20+70) 20 70 (17.5+17.5+17.5+17.5)	100
<b>Practical Examination</b> <ul style="list-style-type: none"> <li>• OSPE</li> <li>• Traditional</li> <li>• Practical Note Book</li> </ul>	50 40 10	100
<b>Structured Oral Examination (SOE)</b> <ul style="list-style-type: none"> <li>• Board I + Board II</li> </ul>	50+50	100
<b>Grand Total</b> (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
<b>Total</b>	<b>100</b>	<b>45</b>	<b>45</b>	<b>190</b>

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