

**3<sup>RD</sup> YEAR MBBS (SESSION 2020-21)**  
**TIME TABLE OF Foundation II MODULE**

**WEEK 1: Theme 1: Molecules and Bacteria**

<u>Day/Date</u>	<u>08:00 - 09:00 am</u>	<u>09:00 - 10:00 am</u>	<u>10:00 - 11:00 am</u>	<u>10:00 - 11:00 am</u>	<u>12:00 - 12:55 pm</u>		<u>01:10 - 03:00</u>
<b>Monday</b>	<b><u>Orientation</u></b> 3 <sup>rd</sup> Year Curriculum	<b><u>Orientation</u></b> Intro to Pharmacology	<b><u>Orientation</u></b> Intro to Pathology	<b><u>Orientation</u></b> Intro to Forensic Medicine	<b><u>Orientation</u></b> Intro to Ophthalmology	<b>P r a y e r B r e</b>	<b>C L I N I C A L  W O R K</b>
<b>Tuesday</b>	<b><u>Orientation</u></b> Intro to ENT	<b><u>Orientation</u></b> Intro to public health	<b><u>Pharmacology</u></b> Nomenclature of Drugs	<b><u>Pharmacology Practical 1</u></b> Group A, Group B			
				<b><u>Pathology Practical 1</u></b> Group C, Group D			
<b>Wednesday</b>	<b><u>Pathology</u></b> Introduction to cell I	<b><u>Pharmacology</u></b> Sources of Drugs	<b><u>DSL</u></b> Library	<b><u>Pharmacology Practical 1</u></b> Group C, Group D			
				<b><u>Pathology Practical 1</u></b> Group A, Group B			
<b>Thursday</b>	<b><u>Pharmacology</u></b> Active principals of Crude Drugs	<b><u>Pharmacology</u></b> Routes of Drug administration	<b><u>DSL</u></b> Library	<b><u>Pathology</u></b> Introduction to cell II	<b><u>Forensic Medicine</u></b> Introduction to medico legal system		
<b>Friday</b>	<b><u>Pathology</u></b> Classification of Bacteria	<b><u>Pathology</u></b> Structure of bacterial cell	<b><u>Pharmacology</u></b> Absorption of Drugs	<b><u>Pharmacology</u></b> Bioavailability and Bioequivalence I	<b><u>Community Medicine</u></b> Health and disease	<b><u>Jumma Break</u></b>	<b><u>DSL</u></b> Library

**Pathology-Practical 1:** Biosafety procedures/Precautions in Microbiology Lab + Tissue processing

**Pharmacology -Practical 1:** Lab protocols; Apparatus used in Pharmacy + Metrology & Medical abbreviations

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**WEEK 2: Theme 1: Molecules and Bacteria**

<u>Day/Date</u>	<u>08:00 - 09:00 am</u>	<u>09:00 - 10:00 am</u>	<u>10:00 - 11:00 am</u>	<u>10:00 - 11:00 am</u>	<u>12:00 - 12:55 pm</u>		<u>01:10 - 03:00</u>
<b>Monday</b>	<b><u>Pathology</u></b> Bacterial growth curve and Normal Flora	<b><u>Pharmacology</u></b> Bioavailability and Bioequivalence II	<b><u>DSL</u></b> Library	<b><u>Pharmacology Practical 2</u></b> Group A, Group B	<b><u>Pathology Practical 2</u></b> Group C, Group D	<b>P r a y e r B r e</b>	<b>C L I N I C A L  W O R K</b>
<b>Tuesday</b>	<b><u>Pharmacology</u></b> Entero-hepatic circulation and First Pass effect	<b><u>Pharmacology</u></b> Distribution of drugs	<b><u>DSL</u></b> Library	<b><u>Pharmacology Practical 2</u></b> Group C, Group D	<b><u>Pathology Practical 2</u></b> Group A, Group B		
<b>Wednesday</b>	<b><u>Pathology</u></b> Bacterial genetics I	<b><u>Pharmacology</u></b> Volume of Distribution of drugs and Loading dose	<b><u>Pharmacology</u></b> Physiological barriers to transport of drugs	<b><u>DSL</u></b> Library	<b><u>Forensic Medicine</u></b> Chain of evidence I		
<b>Thursday</b>	<b><u>Pathology</u></b> Bacterial genetics II	<b><u>Pharmacology</u></b> Biotransformation (metabolism) of drugs I	<b><u>DSL</u></b> Library	<b><u>Pharmacology</u></b> Biotransformation (metabolism) of drugs II	<b><u>Forensic Medicine</u></b> Chain of evidence II		
<b>Friday</b>	<b><u>Ophthalmology</u></b> Refractory Errors	<b><u>Pathology</u></b> Lab diagnosis of bacterial infections I	<b><u>Pathology</u></b> Lab diagnosis of bacterial infections II	<b><u>PRIME: Ethics</u></b> Code of Ethics	<b><u>Forensic Medicine</u></b> Medical jurisprudence		
						<b><u>Jumma Break</u></b>	<b><u>DSL</u></b> Library

**Pathology-Practical 2:** Gram staining

**Pharmacology -Practical 2:** Dosage forms of drugs + Searching information in a formulary

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**WEEK 3: Theme 1: Molecules and Bacteria**

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Monday	<b><u>Ophthalmology</u></b> Watery Eyes	<b><u>Pharmacology</u></b> Genetic influence on biotransformation of drugs I	<b><u>Pharmacology</u></b> Genetic influence on biotransformation of drugs II	<b><u>Pharmacology Practical 3</u></b> Group A, Group B  <b><u>Pathology Practical 3</u></b> Group C, Group D		<b>P r a y e r B r e</b>	<b>C L I N I C A L  W O R K</b>
Tuesday	<b><u>Pharmacology</u></b> Enzyme induction + Enzyme inhibition	<b><u>Pharmacology</u></b> Excretion of drugs and drug clearance	<b><u>DSL</u></b> Library	<b><u>Pharmacology Practical 3</u></b> Group C, Group D  <b><u>Pathology Practical 3</u></b> Group A, Group B			
Wednesday	<b><u>Pathology</u></b> Bacterial pathogenesis I	<b><u>Pathology</u></b> Bacterial pathogenesis II	<b><u>Pharmacology</u></b> Maintenance dose + Plasma half life	<b><u>DSL</u></b> Library	<b><u>Pharmacology</u></b> Steady-state concentration of drugs		
Thursday	<b><u>Pathology</u></b> Bacterial pathogenesis III	<b><u>Pharmacology</u></b> First-and zero-order kinetics	<b><u>DSL</u></b> Library	<b><u>Pathology Practical 4</u></b> Group A, Group B  <b><u>Forensic Medicine Practical 1</u></b> Group C, Group D			
Friday	<b><u>Pharmacology</u></b> Bioassay and standardization	<b><u>Community Medicine</u></b> Primary Health Care	<b><u>PRIME: Identity</u></b> Personal and professional Identity	<b><u>Pathology Practical 4</u></b> Group C, Group D  <b><u>Forensic Medicine Practical 1</u></b> Group A, Group B			

**Pathology-Practical 3:** ZN staining

**Pharmacology -Practical 3:** Demonstration of Intramuscular injections of drugs on a dummy (manikin)

**Forensic Med-Practical 1:** Recording of evidence

**Pathology-Practical 4:** Culture media

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**WEEK 4: Theme 2: Cell injury, Ageing and Death**

Day/Date	08:00 - 09:00 am	09:00 - 10:00 am	10:00 - 11:00 am	10:00 - 11:00 am	12:00 - 12:55 pm		01:10 - 03:00
Monday	<b>Pharmacology</b> Pharmacodynamics I	<b>Pharmacology</b> Pharmacodynamics II	<b>Forensic Medicine</b> Introduction to Thanatology Death	<b>DSL</b> Library	<b>Pharmacology</b> Dose-response curves (Graded and Quantal)	<b>P r a y e r B r e</b>	<b>C L I N I C A L  W O R K</b>
Tuesday	<b>Pathology</b> Cellular injury, cell death I	<b>Pharmacology</b> Potency and efficacy Therapeutic index + Protective index + Therapeutic window	<b>DSL</b> Library	<b>Pharmacology Practical 4</b> Group A, Group B  <b>Pathology Practical 5</b> Group C, Group D			
Wednesday	<b>Pathology</b> Cellular injury, cell death II	<b>Pharmacology</b> Drug antagonism	<b>DSL</b> Library	<b>Pharmacology Practical 4</b> Group C, Group D  <b>Pathology Practical 5</b> Group A, Group B			
Thursday	<b>Pharmacology</b> Drug interactions	<b>Pharmacology</b> Tolerance and Tachyphylaxis	<b>Forensic Medicine</b> Death certificate_	<b>Pathology Practical 6</b> Group A, Group B  <b>Forensic Medicine Practical 2</b> Group C, Group D			
Friday	<b>Pharmacology</b> Adverse drug reactions	<b>Pharmacology</b> Adverse drug reactions	<b>Pathology</b> Cellular injury, cell death III	<b>Pathology Practical 6</b> Group C, Group D  <b>Forensic Medicine Practical 2</b> Group A, Group B	<u>Jumma Break</u>		

**Pathology-Practical 5:** Bacterial Motility

**Pharmacology -Practical 4:** Demonstration of Intravenous injections of drugs on a dummy (manikin)

**Forensic Med-Practical 2:** Legal Procedure and death Certificate

**Pathology-Practical 6:** Hyperplasia (BPH)

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**WEEK 5: Theme 2: Cell injury, Ageing and Death**

Day/Date	08:00 - 09:00 am	09:00 - 10:00 am	10:00 - 11:00 am	10:00 - 11:00 am	12:00 - 12:55 pm		01:10 - 03:00
Monday	<b><u>Ophthalmology</u></b> Cataracts	<b><u>Pharmacology</u></b> New drug development	<b><u>DSL</u></b> Library	<b><u>Pathology</u></b> Cellular injury, cell death IV	<b><u>Pathology</u></b> Cellular injury, cell death V	<b>P r a y e r B r e</b>	<b>C L I N I C A L  W O R K</b>
Tuesday	<b><u>Pathology</u></b> Necrosis	<b><u>Pathology</u></b> Apoptosis	<b><u>DSL</u></b> Library	<b><u>Pharmacology Practical 5</u></b> Group A, Group B	<b><u>Pathology Practical 7</u></b> Group C, Group D		
Wednesday	<b><u>Pathology</u></b> Steatosis	<b><u>Forensic Medicine</u></b> Post-mortem changes	<b><u>PRIME: Research</u></b> Research Protocol	<b><u>Pharmacology Practical 5</u></b> Group C, Group D	<b><u>Pathology Practical 7</u></b> Group A, Group B		
Thursday	<b><u>Pathology</u></b> Cellular adaptation	<b><u>PRIME: Research</u></b> Health system Research I	<b><u>DSL</u></b> Library	<b><u>Pathology Practical 8</u></b> Group A, Group B	<b><u>Forensic Medicine Practical 3</u></b> Group C, Group D		
Friday	<b><u>Pathology</u></b> Intracellular accumulations	<b><u>Pathology</u></b> Pathologic calcification	<b><u>PRIME: Research</u></b> Health system Research I	<b><u>Pathology Practical 8</u></b> Group C, Group D	<b><u>Forensic Medicine Practical 3</u></b> Group A, Group B	<b><u>Jumma Break</u></b>	<b><u>DSL</u></b> Library

Pathology-Practical 7: Atrophy (Testicular atrophy)  
Pharmacology -Practical 5: Prescription writing

Forensic Med-Practical 2: Consent form  
Pathology-Practical 7: Pathologic calcification