

**Timetable  
Group A, B & C**

**Week 1 (1<sup>st</sup> January 2018)**

**Theme: Cell, cell organelles & cell environment**

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08:30 – 09:30	<b>Lecture:</b> Preparing for an Integrated Curriculum ( <b>ME</b> ) <b>Venue:</b> N. Auditorium	<b>Lecture:</b> Functional organization of Human body ( <b>A</b> ) <b>Venue:</b> N. Auditorium	<b>Lecture:</b> Cell organelles & their functions <b>Venue:</b> N. Auditorium	<b>Lecture:</b> Medical Ethics <b>Venue:</b> N. Auditorium <b>Instructor:</b> Dr. Zoheb Memon	<b>Lecture:</b> Intercellular connections <b>Venue:</b> N. Auditorium
09:35 – 10:35	<b>Lecture:</b> Structure & function of cell membrane ( <b>P</b> ) <b>Venue:</b> N. Auditorium	<b>Lecture:</b> Cell cycle & replication ( <b>A</b> ) <b>Venue:</b> N. Auditorium <b>Instructor:</b>	<b>Lecture:</b> pH and buffers <b>Venue:</b> N. Auditorium <b>Instructor:</b>	<b>Lecture:</b> Biochemistry – MM Equation <b>Venue:</b> N. Auditorium <b>Instructor:</b>	<b>Lecture:</b> Distribution of body fluids compartments & body water compartments <b>Venue:</b> N. Auditorium
10:45 – 12:45	<b>Group A:</b> Histology lab <b>Group B:</b> Directed self-study <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Histology lab <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Directed self-study <b>Group C:</b> Histology lab	<b>Group A:</b> Directed self-study <b>Group B:</b> Directed self-study <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Directed self-study <b>Group C:</b> Directed self-study
12:46 – 01:10	<b>Lunch/ Prayer Break</b>				
01:15 – 03:15	<b>Group A:</b> Directed self-study <b>Group B:</b> Directed self-study <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Directed self-study <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Directed self-study <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Directed self-study <b>Group C:</b> Directed self-study	<b>Group A:</b> Physiology SGD – Tutorial room I <b>Group B:</b> Physiology SGD – Tutorial room IV <b>Group C:</b> Physiology SGD – N. auditorium

**Histology lab: Microscope & its parts & stains used in histology**

Group A, B & C

Week 2 (8<sup>th</sup> January 2018)

Theme: Macromolecules: Carbohydrates

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	<b>Lecture:</b> Homeostasis (P) <b>Venue:</b> N. Auditorium <b>Instructor:</b>	<b>Lecture:</b> Control systems in the body (P) <b>Venue:</b> N. Auditorium <b>Instructor:</b>	<b>Lecture:</b> Basic tissues: Epithelium I (A) <b>Venue:</b> N. Auditorium <b>Instructor:</b>	<b>Lecture:</b> Medical Ethics <b>Venue:</b> N. Auditorium <b>Instructor:</b> Dr. Zoheb Memon	<b>Lecture:</b> Basic tissues – Epithelium II (A) <b>Venue:</b> N. Auditorium <b>Instructor:</b>
09.35 – 10.35	<b>Lecture:</b> Carbohydrates – types & biomedical importance (B) <b>Venue:</b> N. Auditorium <b>Instructor:</b>	<b>Lecture:</b> Monosaccharides – derivatives & biomedical importance (B) <b>Venue:</b> N. Auditorium <b>Instructor:</b>	<b>Lecture:</b> Disaccharides – biomedical importance (B) <b>Venue:</b> N. Auditorium <b>Instructor:</b>	<b>Lecture:</b> Polysaccharides – biomedical importance (B) <b>Venue:</b> N. Auditorium <b>Instructor:</b>	<b>Lecture:</b> Proteoglycans & Glycoproteins (B) <b>Venue:</b> N. Auditorium <b>Instructor:</b>
10.45 – 12.45	<b>Group A:</b> Histology lab <b>Group B:</b> Directed self-study <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Histology lab <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Directed self-study <b>Group C:</b> Histology lab	<b>Group A:</b> Directed self-study <b>Group B:</b> Directed self-study <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Directed self-study <b>Group C:</b> Directed self-study
12:46 - 01:10	<b>Lunch/ Prayer Break</b>				
01.15 – 03.15	<b>Group A:</b> Anatomy SGD – Tutorial room I <b>Group B:</b> Physiology SGD – Tutorial room IV <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Anatomy SGD – Tutorial room IV <b>Group C:</b> Physiology SGD – N. Auditorium	<b>Group A:</b> Biochemistry SGD - Tutorial room I <b>Group B:</b> Directed self-study <b>Group C:</b> Anatomy SGD - N. Auditorium	<b>Group A:</b> Directed self-study <b>Group B:</b> Biochemistry SGD - Tutorial room IV <b>Group C:</b> Directed self-study	<b>Group A:</b> Physiology SGD - Tutorial room I <b>Group B:</b> Directed self-study <b>Group C:</b> Biochemistry SGD - N. Auditorium

**Histology lab: Basic tissues – Simple epithelium**

Group A, B & C

Theme: Macromolecules – Proteins & amino acids

Week 3 (15<sup>th</sup> January 2018)

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	<b>Lecture:</b> Exocrine glands <b>(A)</b> <b>Venue:</b> N. Auditorium <b>Instructor:</b>	<b>Lecture:</b> Basic tissues – Connective tissue <b>(A)</b> <b>Venue:</b> N. Auditorium <b>Instructor:</b>	<b>Lecture:</b> Basic tissues – Muscular tissues <b>(A)</b> <b>Venue:</b> N. Auditorium <b>Instructor:</b>	<b>Lecture:</b> Medical Ethics <b>Venue:</b> N. Auditorium <b>Instructor:</b> Dr. Zoheb Memon	<b>Lecture:</b> Basic tissues – Nerve & supporting cells in CNS & PNS <b>(A)</b> <b>Venue:</b> N. Auditorium
09.35 – 10.35	<b>Lecture:</b> Amino acids – structure, properties & functions <b>(B)</b> <b>Venue:</b> N. Auditorium	<b>Lecture:</b> Amino acid pool – classification <b>(B)</b> <b>Venue:</b> N. Auditorium	<b>Lecture:</b> Proteins: physiochemical properties, classification & importance <b>(B)</b> <b>Venue:</b> N. Auditorium	<b>Lecture:</b> Protein’s biochemical importance – pH maintenance & Immunoglobulins <b>(B)</b> <b>Venue:</b> N. Auditorium	<b>Lecture:</b> Protein Biochemical importance: Plasma proteins <b>(B)</b> <b>Venue:</b> N. Auditorium
10.45 – 12.45	<b>Group A:</b> Histology lab <b>Group B:</b> Directed self-study <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Histology lab <b>Group C:</b> Directed self-study	<b>Group A:</b> Biochemistry lab <b>Group B:</b> Directed self-study <b>Group C:</b> Histology lab	<b>Group A:</b> Directed self-study <b>Group B:</b> Biochemistry lab <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Directed self-study <b>Group C:</b> Biochemistry lab
12:46 - 01:10	<b>Lunch/ Prayer Break</b>				
01.15 – 03.15	<b>Group A:</b> Directed self-study <b>Group B:</b> Directed self-study <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Directed self-study <b>Group C:</b> Directed self-study	<b>Group A:</b> Biochemistry SGD – Tutorial room I <b>Group B:</b> Directed self-study <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Biochemistry SGD – Tutorial room IV <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Directed self-study <b>Group C:</b> Biochemistry SGD – Lecture hall

**Histology lab: Basic tissues – Stratified epithelium**

**Biochemistry lab: Experiments related to carbohydrates**

Group A, B & C

Week 4 (22<sup>nd</sup> January 2018)

Theme: Macromolecules: Lipids & Cholesterol

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	<b>Lecture:</b> Introduction to development & Oogenesis (A) <b>Venue:</b> N. Auditorium <b>Instructor:</b>	<b>Lecture:</b> Spermatogenesis (A) <b>Venue:</b> N. Auditorium <b>Instructor:</b>	<b>Lecture:</b> Fertilization (A) <b>Venue:</b> N. Auditorium <b>Instructor:</b>	<b>Lecture:</b> Medical Ethics <b>Venue:</b> N. Auditorium <b>Instructor:</b> Dr. Zoheb Memon	<b>Lecture:</b> Basic tissues – Overview of tissues of the body (A) <b>Venue:</b> N. Auditorium
09.35 – 10.35	<b>Lecture:</b> Lipids: Overview & Biomedical importance (B) <b>Venue:</b> N. Auditorium	<b>Lecture:</b> Classification of lipids: Simple lipids & their biomedical importance (B) <b>Venue:</b> N. Auditorium	<b>Lecture:</b> Compound lipids and their biomedical importance (B) <b>Venue:</b> N. Auditorium	<b>Lecture:</b> Cholesterol: properties, distribution & biomedical importance (B) <b>Venue:</b> N. Auditorium	<b>Lecture:</b> Glycolipids & Phospholipids & lipid-storage diseases (B) <b>Venue:</b> N. Auditorium
10.45 – 12.45	<b>Group A:</b> Histology lab <b>Group B:</b> Directed self-study <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Histology lab <b>Group C:</b> Directed self-study	<b>Group A:</b> Biochemistry lab <b>Group B:</b> Directed self-study <b>Group C:</b> Histology lab	<b>Group A:</b> Directed self-study <b>Group B:</b> Biochemistry lab <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Directed self-study <b>Group C:</b> Biochemistry lab
12:46 - 01:10	<b>Lunch/ Prayer Break</b>				
01.15 – 03.15	<b>Group A:</b> Embryology SGD – Tutorial room I <b>Group B:</b> Directed self-study <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Embryology SGD – Tutorial room IV <b>Group C:</b> Directed self-study	<b>Group A:</b> Biochemistry SGD – Tutorial room I <b>Group B:</b> Directed self-study <b>Group C:</b> Embryology SGD	<b>Group A:</b> Directed self-study <b>Group B:</b> Biochemistry SGD – Tutorial room IV <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Directed self-study <b>Group C:</b> Biochemistry SGD

**Histology lab: Basic tissues – Connective tissue**

**Biochemistry lab: Experiments related to proteins & amino acids**

Group A, B & C

Week 5 (29<sup>th</sup> January 2018)

Theme: Enzymes & co-factors

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	<b>Lecture:</b> Blastocyst formation & Implantation <b>(A)</b> <b>Venue:</b> N. Auditorium <b>Instructor</b>	<b>Lecture:</b> Decidualization & Bilaminar germ disc <b>(A)</b> <b>Venue:</b> N. Auditorium <b>Instructor</b>	<b>Lecture:</b> Placenta: structure & changes to the placenta <b>(A)</b> <b>Venue:</b> N. Auditorium <b>Instructor</b>	<b>Lecture:</b> Gastrulation & derivatives of germ layer <b>(A)</b> <b>Venue:</b> N. Auditorium <b>Instructor</b>	<b>Lecture:</b> Neurulation & Neural crest cells <b>(A)</b> <b>Venue:</b> N. Auditorium <b>Instructor</b>
09.35 – 10.35	<b>Lecture:</b> Eicosanoids and their biomedical importance <b>(B)</b> <b>Venue:</b> N. Auditorium	<b>Lecture:</b> Enzymes: Nomenclature, functions & activity & Enzyme Kinetics <b>(B)</b> <b>Venue:</b> N. Auditorium	<b>Lecture:</b> Enzyme regulation <b>(B)</b> <b>Venue:</b> N. Auditorium	<b>Lecture:</b> Medical Ethics <b>Venue:</b> N. Auditorium <b>Instructor:</b> Dr. Zoheb Memon	<b>Lecture:</b> Enzyme: Competitive & non-competitive enzymes <b>(B)</b> <b>Venue:</b> N. Auditorium
10.45 – 12.45	<b>Group A:</b> Histology lab <b>Group B:</b> Directed self-study <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Histology lab <b>Group C:</b> Directed self-study	<b>Group A:</b> Biochemistry lab <b>Group B:</b> Directed self-study <b>Group C:</b> Histology lab	<b>Group A:</b> Directed self-study <b>Group B:</b> Biochemistry lab <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Directed self-study <b>Group C:</b> Biochemistry lab
12:46 - 01:10	<b>Lunch/ Prayer Break</b>				
01.15 – 03.15	<b>Group A:</b> Embryology SGD – Tutorial room I <b>Group B:</b> Directed self-study <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Embryology SGD– Tutorial room IV <b>Group C:</b> Directed self-study	<b>Group A:</b> Biochemistry SGD – Tutorial room I <b>Group B:</b> Directed self-study <b>Group C:</b> Embryology SGD – Auditorium	<b>Group A:</b> Directed self-study <b>Group B:</b> Biochemistry SGD– Tutorial room IV <b>Group C:</b> Biochemistry SGD– Auditorium	<b>Group A:</b> Physiology SGD – Tutorial room I <b>Group B:</b> Physiology SGD– Tutorial room IV <b>Group C:</b> Physiology SGD– Auditorium

**Histology lab: Muscular tissue**

**Biochemistry lab: Experiments related to proteins & amino acids**

**Physiology SGD: Membrane transport & its types on Thursday & Friday**

Group A, B & C

Week 6 (5<sup>th</sup> February 2018)

Theme: Human development

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	<b>Public Holiday – Kashmir Day</b>	<b>Lecture:</b> Embryonic – body cavities <b>(A)</b> <b>Venue:</b> N. Auditorium <b>Instructor</b>	<b>Lecture:</b> Embryonic – body cavities continued... <b>(A)</b> <b>Venue:</b> N. Auditorium <b>Instructor</b>	<b>Lecture:</b> Folding of the embryo & segmentation <b>(A)</b> <b>Venue:</b> N. Auditorium <b>Instructor</b>	<b>Lecture:</b> Somite formation <b>(A)</b> <b>Venue:</b> N. Auditorium <b>Instructor</b>
09.35 – 10.35		<b>Lecture:</b> Membrane transport proteins & ion channels <b>(P)</b> <b>Venue:</b> N. Auditorium <b>Instructor</b>	<b>Lecture:</b> Resting Membrane Potential <b>(P)</b> <b>Venue:</b> N. Auditorium <b>Instructor:</b>	<b>Lecture:</b> Medical Ethics <b>Venue:</b> N. Auditorium <b>Instructor:</b> Dr. Zoheb Memon	<b>Lecture:</b> Action Potential <b>(P)</b> <b>Venue:</b> N. Auditorium <b>Instructor:</b>
10.45 – 12.45		<b>Group A:</b> Histology lab <b>Group B:</b> Histology lab <b>Group C:</b> Directed self-study	<b>Group A:</b> Biochemistry lab <b>Group B:</b> Directed self-study <b>Group C:</b> Histology lab	<b>Group A:</b> Directed self-study <b>Group B:</b> Biochemistry lab <b>Group C:</b> Directed self-study	<b>Group A:</b> Directed self-study <b>Group B:</b> Directed self-study <b>Group C:</b> Biochemistry lab
12:46 - 01:10		<b>Lunch/ Prayer Break</b>			
01.15 – 03.15		<b>Group A:</b> Embryology SGD – tutorial Room I <b>Group B:</b> Embryology SGD – tutorial Room IV <b>Group C:</b> Physiology SGD – N. Auditorium	<b>Group A:</b> Biochemistry SGD– tutorial Room I <b>Group B:</b> Directed self-study <b>Group C:</b> Embryology SGD– N. Auditorium	<b>Group A:</b> Directed self-study <b>Group B:</b> Biochemistry SGD – Tutorial room IV <b>Group C:</b> Directed self-study	<b>Group A:</b> Physiology SGD– tutorial Room I <b>Group B:</b> Physiology SGD– tutorial Room IV <b>Group C:</b> Biochemistry SGD – N. Auditorium

**Histology lab: Nervous tissue**

**Biochemistry lab: Experiments related to proteins & amino acids**

Group A, B, C, D & E

Week 7 (12<sup>th</sup> February 2018)

Assessment Week

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08:30 – 10:30	Examination Preparation Leave		<b>Theory paper 1</b> <b>Anatomy: 70 MCQs</b> <b>Physiology: 30 MCQs</b>  <b>Duration: 2 hours</b>	<b>Theory paper 2</b> <b>Biochemistry: 75 MCQs</b> <b>Medical Ethics: 25 MCQs</b>  <b>Duration: 2 hours</b>	<b>Integrated Practical Examination</b>  25 stations
10:40 – 11:40			<b>English Paper</b> <b>100 marks</b> <b>Do as Directed</b>		
11:45 – 12:45					
12:46 - 01:10					