

**Timetable
Group D & E**

Week 1 (1st January 2018)

Theme: Cell, cell organelles & cell environment

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	Lecture: Structure & function of cell membrane (P) Venue: Auditorium	Lecture: Cell cycle & replication (A) Venue: Auditorium Instructor:	Lecture: pH and buffers Venue: Auditorium Instructor:	Lecture: Biochemistry – MM Equation Venue: Auditorium Instructor:	Lecture: Distribution of body fluids compartments & body water compartments Venue: Auditorium
09.35 – 10.35	Lecture: Preparing for an Integrated Curriculum (ME) Venue: Auditorium	Lecture: Functional organization of Human body (A) Venue: Auditorium	Lecture: Cell organelles & their functions Venue: Auditorium	Lecture: Medical Ethics Venue: Auditorium Instructor: Dr. Zoheb Memon	Lecture: Intercellular connections Venue: Auditorium
10.45 – 12.45	Group D: Directed self-study Group E: Directed self-study	Group D: Directed self-study Group E: Directed self-study	Group D: Directed self-study Group E: Directed self-study	Group D: Histology lab Group E: Directed self-study	Group D: Directed self-study Group E: Histology lab
12:46 - 01:10	Lunch/ Prayer Break				
01.15 – 03.15	Group D: Directed self-study Group E: Directed self-study	Group D: Directed self-study Group E: Directed self-study	Group D: Directed self-study Group E: Directed self-study	Group D: Physiology SGD – Pathology Museum Group E: Physiology SGD – Physio lab	Group D: Directed self-study Group E: Directed self-study

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

Group D & E

Week 2 (8th January 2018)

Theme: Macromolecules: Carbohydrates

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

Histology lab: Basic tissues – Simple epithelium

Group D & E

Theme: Macromolecules – Proteins & amino acids

Week 3 (15th January 2018)

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

Histology lab: Basic tissues – Stratified epithelium

Biochemistry lab: Experiments related to carbohydrates

Group D & E

Week 4 (22nd January 2018)

Theme: Macromolecules: Lipids & Cholesterol

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

Histology lab: Basic tissues – Connective tissue**Biochemistry lab: Experiments related to proteins & amino acids**

Group D & E

Week 5 (29th January 2018)

Theme: Enzymes & co-factors

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

Histology lab: Muscular tissue

Biochemistry lab: Experiments related to proteins & amino acids

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

Group D & E

Week 6 (5th February 2018)

Theme: Human development

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

Histology lab: Nervous tissue

Biochemistry lab: Experiments related to proteins & amino acids

Week 7 (12th February 2018)

Assessment Week

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