Theme 1: Orientation, Week: 1							
Days	**8:00 – 9:00 am**	**9:00 – 11:00 am**		**11:00 – 1:00 pm**		**1:30 – 3.00 pm**	
Mon	**Reception and Registration of Students**	**White Coat Ceremony** **WELCOME ADDRESS**		**ANATOMY** **Orientation** **DR NIAZ**	**PRAYER BREAK**	**COLLEGE VISIT IN GROUPS** **ORIENTATION**	
	8:00 – 9:00 am	**9:00 – 10:00 am**	**10:30am – 12 pm**	**12PM – 1:00PM**		**1:30 – 3:00 pm**	
Tues	**PHYSIOLOGY** ORIENTATION **DR AMJAD ZAMAN**	**BIOCHEMISTRY** ORIENTATION **DR AMIN UL HAQ**	**PRACTICALS** Batch A: Histo Batch B: Physio Batch C: Bio Batch D: IT	**CURRICULUM OVERVIEW** **DR NAHEED MEHSOOD**		**DSL**	
Wed	**PRIME** Communication Skills Dr Naveed	**PRIME** **BS:** Biopsychosocial model of health care (LGF) Dr. Wajid/Dr Amer Abbas	**PRACTICALS** Batch A: IT Batch B: Histo Batch C: Physio Batch D: Bio	**C. MEDICINE** Chain of infections Dr Noreen		**SPORTS**	
Thurs	**PATHOLOGY** Cell Injury Dr Ayesha	**PRIME** Health and behavioral sciences (LGF) Dr. Wajid/Dr Amer Abbas	**PRACTICALS** Batch A: Bio Batch B: IT Batch C: Histo Batch D: Physio	**PRIME** Types of Research Dr Tauseef		**GROSS ANATOMY** Anatomical Terms & Positions & Movements of Joints Dr Niaz	
	8:00 – 9:00 am	**9:00 – 11:00 am**	**10 – 11 am**	**11:00 am – 1:00 pm**	**1:00 -2:00 pm**		**2:00 – 3:00 pm**
Fri	**PRIME** Formulation of a research question Dr Raheela	**PHYSIOLOGY** Cell Membrane Physiology Dr Riffat Sultana	**PRACTICALS** Batch A: Physio Batch B: Bio Batch C: IT Batch D: Histo	**PRIME** Developing objectives and hypothesis Dr Sabina Aziz	**JUMMA BREAK**		**DSL**

- Histology P: Operating microscope
- Physiology P: instruments
- IT skills: Email IDs
- Biochemistry P = PH & Buffers

Theme 2: Cell, Week: 2							
Days	**8:00 – 9:00 am**	**9:00 – 10:00 am**	**10:30am – 12 pm**	**12PM – 1:00PM**		**1:30 – 3.00 pm**	
Mon	**BIOCHEMISTRY** Biochemical structure of Cell Dr. Farida	**PRIME** Attitude in Health Professionals Dr Wajid/ Dr. Amer	**PRACTICALS** Batch A: Physio Batch B: Bio Batch C: IT Batch D: Histo	**HISTOLOGY** Cell Structure & Organelles –I DR Shahab	**PRAYER BREAK**	**PHARMACOLOGY** Drug receptors, Routes of administration & and transmembrane drug transport.	
Tues	**PHYSIOLOGY** Movements of cell Dr Riffat Sultana	**BIOCHEMISTRY** Nucleic Acids, Nucleosides & Chemistry Dr Nabila	**PRACTICALS** Batch A: Histo Batch B: Physio Batch C: Bio Batch D: IT	**HISTOLOGY** Cell Structure & Organelles –II DR Shahab		**C.MEDICINE** Concept of health and disease **Dr Shahnaz**	
Wed	**BIOCHEMISTRY** Biochemical structure of DNA Dr Nabila	**PHYSIOLOGY** Homeostasis Dr Amjad Zaman	**PRACTICALS** Batch A: IT Batch B: Histo Batch C: Physio Batch D: Bio	**PHYSIOLOGY** Cell Membrane Potential Dr Riffat Sultana		**FORENSIC MEDICINE** Introduction to forensic Medicine and Toxicology Dr Anwaar	
Thurs	**PATHOLOGY** Cell Injury	**BIOCHEMISTRY** Biochemical Structure of Mitochondria and its functions Dr Farida	**PRACTICALS** Batch A: Bio Batch B: IT Batch C: Histo Batch D: Physio	**BIOCHEMISTRY** Biochemical structure of RNA Dr Nabila		**EMBRYOLOGY** Meiosis & Mitosis Dr Niaz	
	8:00 – 9:00 am	9:00 – 10:00 am	**10 – 11 am**	**11:00 am – 1:00 pm**	**1: 00 -2:00 pm**		**2:00 – 3:00 pm**
Fri	**EMBRYOLOGY** Introduction to Embryology Dr Niaz	**EMBRYOLOGY** Female reproductive cycle Dr Niaz	**BIOCHEMISTRY** Nuclear memb and functions Dr Farida	**PHYSIOLOGY** Cell Repolarization & Depolarization 1&s2 Dr Afsheen	**JUMMA BREAK**		**DSL**

Pathology P: Sterilization

Physiology P: Smear preparation

Biochemistry P = Carbohydrates detection

IT Skills: Edmodo

Theme 3 Growth & Development: Week: 3						
Days	**8:00 – 9:00 am**	**9:00 – 10:00 am**	**10:30am – 12 pm**	**12PM – 1:00PM**		**1:30 – 3.00 pm**

Mon	**BIOCHEMISTRY** Body PH and Henderson Hasselbalch equation **Dr Saima**	**EMBRYOLOGY** Spermatogenesis Dr Niaz	**PRACTICALS** Batch A: Physio Batch B: Bio Batch C: IT Batch D: Histo	**EMBRYOLOGY** Oogenesis Dr Niaz	**PRAYER BREAK**	**C. MEDICINE** Levels of prevention Dr Aliya	
Tues	**EMBRYOLOGY** Transport of gametes Dr Niaz	**BIOCHEMISTRY** Buffers-Chemistry of acids and bases (acidosis & Alkalosis) **Dr Saima**	**PRACTICALS** Batch A: Histo Batch B: Physio Batch C: Bio Batch D: IT	**BIOCHEMISTRY** Carbohydrates I Dr Anum		**DSL**	
Wed	**BIOCHEMISTRY** Cellular Membrane Transport Dr Farida	**EMBRYOLOGY** Fertilization events & Clinical Correlates Dr Niaz	**PRACTICALS** Batch A: IT Batch B: Histo Batch C: Physio Batch D: Bio	**C. MEDICINE** Determinants of Health Dr Salma		**PATHOLOGY** Apoptosis & Necrosis Dr Saima Nadeem	
Thurs	**EMBRYOLOGY** Cleavage & blastocyst formation Dr Niaz	**BIOCHEMISTRY** Carbohydrates –II **Dr Anum**	**PRACTICALS** Batch A: Bio Batch B: IT Batch C: Histo Batch D: Physio	**BIOCHEMISTRY** Carbohydrates III **Dr Anum**		**HISTOLOGY** Overview of epithelium, Structure & function of basement membrane DR SHAHAB	
	8:00 – 9:00 am	**9:00 – 10:00 am**	**10 – 11 am**	**11:00 am – 12: 30 pm**	**12:30 -2:00 pm**		**2:00 – 3:00 pm**
Fri	**BIOCHEMISTRY** Carbohydrates IV Dr Anum	**EMBRYOLOGY** Implantation & its abnormalities Dr Niaz	**BIOCHEMISTRY** Carbohydrates V Dr Anum	**C. MEDICINE** Disease causation **Dr Tauseef**	**JUMMA BREAK**		**DSL**

- Histology P: Identify Epithelium 1 (simple & stratified)
- Physiology P: Oil immersion lens
- Biochemistry P = Carbohydrates detection 2
- IT skills:

Theme 4 Human Body Tissues, Bones & Joints: Week: 4							
Days	**8:00 – 9:00 am**	**9:00 – 10:00 am**	**10:30am – 12 pm**	**12PM – 1:00PM**		**1:30 – 3.00 pm**	
Mon	**EMBRYOLOGY** 1st week of development Dr Niaz	**HISTOLOGY** Epithelial cell surface I DR Shahab	**PRACTICALS** Batch A: Physio Batch B: Bio Batch C: IT Batch D: Histo	**HISTOLOGY** Epithelial cell surface I & II DR Shahab	**PRAYER BREAK**	**BIOCHEMISTRY** Carbohydrates VI & VIi **DR ANUM**	
Tues	**BIOCHEMISTRY** Solution and its types, Emulsions& Emulsifying Agents **Dr Saima**	**EMBRYOLOGY** Events of 2nd week of development Dr Niaz	**PRACTICALS** Batch A: Histo Batch B: Physio Batch C: Bio Batch D: IT	**BIOCHEMISTRY** Colloids, adsorption, and ion exchange resin **Dr Saima**		**GEN ANATOMY** Introduction to Nervous system Dr Niaz	
Wed	**EMBRYOLOGY** Events of 3rd week of development Dr Niaz	**BIOCHEMISTRY** Emulsions and emulsifying agents **Dr Saima**	**PRACTICALS** Batch A: IT Batch B: Histo Batch C: Physio Batch D: Bio	**EMBRYOLOGY** Events of 4th week of development Dr Niaz		**HISTOLOGY** Intro to body tissues DR SHAHAB	
Thurs	**BIOCHEMISTRY** Osmosis & Factors Affecting Osmotic Pressure **Dr Saima**	**EMBRYOLOGY** Development of placenta Dr Niaz	**PRACTICALS** Batch A: Bio Batch B: IT Batch C: Histo Batch D: Physio	**GROSS ANATOMY** Classification of bones Parts of bones Dr Najma		**GEN ANATOMY** Sympathetic Parasympathetic Dr Niaz	
	8:00 – 9:00 am	**9:00 – 10:00 am**	**10 – 11 am**	**11:00 am – 12:30 pm**	**12: 30 -2:00 pm**		**2:00 – 3:00 pm**
Fri	**PHYSIOLOGY** Autonomic nervous system Dr Zubia Shah	**PHYSIOLOGY** Autonomic nervous system Dr Zubia Shah	**HISTOLOGY** Connective tissue I DR Shahab	**HISTOLOGY** Connective tissue II DR Shahab	**JUMMA BREAK**		**FORENSIC MEDICINE** PMDC Dr Anwaar/Dr Naheed

- Pathology: Tissue preparation and H&E staining
- Histology P: Identify Epithelium 2 (Glands)
- Physiology P: Neubauer chamber

Theme 4 Human Body Tissues, Bones & Joints: Week: 5							
Days	**8:00 – 9:00 am**	**9:00 – 10:00 am**	**10:30am – 12 pm**	**12PM – 1:00PM**		**1:30 – 3.00 pm**	
Mon	**HISTOLOGY** Connective tissue III Dr Shahab	**HISTOLOGY** Glandular Epithelium Dr Shahab	**FORENSIC MEDICINE** Death Dr Naheed	**ANATOMY** Membranes of the body (Serous & mucous Dr Ibrar	**PRAYER BREAK**	**ANATOMY** Lymphatic system Dr. Naveed	
Tues	**PATHOLOGY** Acute inflammation I Dr Jamita Kor	**PATHOLOGY** Acute inflammation II Dr Jamita Kor	**HISTOLOGY** Epithelial cell surface I & II Dr Shahab			**ANATOMY** Fasciae, ligaments, and raphe Dr Shabnum	
Wed	**BIOCHEMISTRY** Importance of surface tension and viscosity in our body **Dr Saima**	**HISTOLOGY** Structure & function of basement membrane DR Shahab	**GROSS ANATOMY** Intro to Joint Movements & synovial Joints Dr Najma	**HISTOLOGY** Integumentary system Dr Shahab		**PATHOLOGY** chronic Inflammation Dr Jamita Kor	
Thurs	**DSL**					**DSL**	
	8:00 – 9:00 am	**9:00 – 10:00 am**	**10 – 11 am**	**11:00 am – 12: 30 pm**	**12: 30 -2:00 pm**		**2:00 – 3:00 pm**
Fri	**EXAM**				**JUMMA BREAK**		