COLLEGE OF MEDICINE AND DENTISTRY AT THE HILLS ABBOTTABAD

DEPARTMENT OF MEDICAL EDUCATION

SGDs and practicals will also continue in the same format i.e. batch wise

Abbreviations used: **Anat, Anatomy; Bio, Biochemistry; C Med, Community Medicine; DSL, Directed Self Learning; F Med, Forensic Medicine; Med, Medicine; LGA, Large Group A; LGB, Large Group B; Paeds, Paediatrics; Patho, Pathology; Pharma, Pharmacology; Physio, Physiology; SDL, Self-directed Learning, SGD; Small group Discussion,**

Division for Large groups: **LGA (Large Group A): From Class No. 1- 140, LGB (Large Group B): From Class No. 141- 280**

Division for Practicals/Dissections/SGDs: **Batch A: 1-62; Batch B: 63-125; Batch C: 126-187; Batch D: 188-250 and onward**

TIME TABLE OF CARDIOVASCULAR & RESPIRATORY MODULE FOR 1st YEAR MBBS (SESSION)

Every Saturday will be online lectures

Day/Date	08:00 – 09:00 am	09:00 – 10:00 am	10:00 am – 12:00 pm	12:00 – 01:00 pm		01:30 – 03:00 pm	
WEEK 1							
Monday	Anat-L1 General Overview of the Heart Pericardium	Phy-L1 Physiology of Cardiac Muscle	**PRACTICALS** Batch A: Histo-P1 Batch B: Phy-P1 Batch C: Bio-P1 Batch D: SDL	Phy-L2 Genesis of Impulses in SA Node and Spread of Cardiac Impulse	P R A Y E R B R E A K	**SGDs** Batch A: Anat-SGD1 Batch B: Phy-P3 Batch C: Phy-SGD1 Batch D: Phy-P2	
Tuesday	Bio-L1 Role of Electrolytes in Cardiac Contractions	Phy-L3 Physiological Basis of ECG	**PRACTICALS** Batch A: SDL Batch B: Histo-P1 Batch C: Phy-P1 Batch D: Bio-P1	Phy-L4 Vectoral Analysis of ECG		**SGDs** Batch A: Phy-P2 Batch B:Anat-SGD1 Batch C: Phy-P3 Batch D: Phy-SGD1	
Wednesday	Phy-L5 Cardiac Arrhythmias	Anat-L2 Gross Morphology of Heart	**Internal Assessment Block B (MSK-1)**	Phy-L6 Physical Principles of Circulation		**SGDs** Batch A: Phy-SGD1 Batch B: Phy-P2 Batch C: Anat-SGD Batch D: Phy-P1	
Thursday	Histo-L1 Microscopic Structure of Cardiac Muscle and Conducting system of Heart	Bio-L2 Fatty Acid Chemistry	**PRACTICALS** Batch A: Phy-P1 Batch B: Bio- Batch C: SDL Batch D: Histo-P1	Phy-L7 Arteries, Veins and their Functions		**SGDs** Batch A: Phy- P3 Batch B: Phy-SGD1 Batch C: Phy-P2 Batch D: Anat-SGD1	
Friday	Phy-L8 The microcirculation & Lymphatic system.	Histo-L2 Microscopic features of Veins Arteries and Capillaries	**10:00 – 11:00 am** Phy-L9 Local & Humoral control of Tissue Blood Flow	**11:00 am – 12:30 pm** **PRACTICALS** Batch A: Bio-P1 Batch B: SDL Batch C: Histo-P1 Batch D: Phy-		**12:30 - 02:00 pm** **JUMMA PRAYER**	**02:00 - 03:00 pm** **SDL** (Library/SLRC)

TIME TABLE OF CARDIOVASCULAR & RESPIRATORY MODULE FOR 1st YEAR MBBS (SESSION)

Saturday **online**	Bio-L3 Physical and Chemical Properties of FA and Simple Lipids	Anat-L3 Blood supply of the heart	Phy-L10 Features of Coronary Circulation Myocardial Oxygen Consumption	Anat-L4 Anatomy of the Valves Heart Valves and Surface Structural Differences in the		

Histo-P1: Identify the cardiac muscle under the microscope (Anat-7)

Bio-P1: Detection of Lipids in a given sample (Biochem-9)

Phy-P1: Recording of 12 Lead ECG (Physio-11)

Anat-SGD1: Introduction to CVS and Surface Anatomy (Anat-3

Phy-P2: Examination of Arterial and Venous Pulses (Physio-11)

Phy-SGD1: QRS Complex (Abnormal voltages & Bizarre complexes)/Current of Injury (Physio10)

Phy-P3: Interpretation of ECG (Physio-12

Day/Date	08:00 – 09:00 am	09:00 – 10:00 am	10:00 am – 12:00 pm	12:00 – 01:00 pm		01:30 – 03:00 pm
WEEK 2						
Monday	Emb-L 1 Formation of heart tube: circulation through primordial heart	Phy-L11 Nervous Regulation of The Circulation Rapid Control of Blood Pressure: I Baroreceptor reflex	**PRACTICALS** Batch A: Histo-P2 Batch B: Phy-P4 Batch C: Bio-P2 Batch D: Phy-P6		**PRAYER BREAK**	**SGDs** Batch A: Phy-SGD2 Batch B: SDL Batch C: Phy-P5 Batch D: FDT-1
Tuesday	Bio-L5 Complex Lipids I	Phy-L12 Rapid Control of Blood Pressure: II Chemoreceptor, Atrial and other Nervous Reflexes	**PRACTICALS** Batch A: Phy-P6 Batch B: Histo-P2 Batch C: Phy-P4 Batch D: Bio-P2	Emb-L2 Partitioning of common atrium		**SGDs** Batch A: SDL Batch B: Phy-SGD2 Batch C: FDT-1 Batch D: Phy-P5
Wednesday	Phy-L13 Renal-Body Fluid System For Arterial Pressure Control	Emb-L3 Partitioning of ventricles Development of outflow tracts	**PRACTICALS** Batch A: Bio-P2 Batch B: Phy-P6 Maimona Batch C: Histo-P2 Batch D: Phy-P4	Phy-L14 Role of The Renin-Angiotensin System in Arterial Pressure Control)		**SGDs** Batch A: Phy-P5 Batch B: FDT-1 Batch C: Phy-SGD2 Batch D:SDL

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Thursday	Emb-L4 Development of arterial system	Bio-L6 Complex Lipids II	**PRACTICALS** Batch A: Phy-P4 Batch B: Bio-P2 Batch C: Phy-P6 Batch D: Histo-P2	Phy-L15 Circulatory Shocks (Stages and types)		**SGDs** Batch A: FDT-1 Batch B: Phy-P5 Batch C: SDL Batch D: Phy-SGD2
Friday	Phy-L17 Intrinsic and Extrinsic Regulation of Heart)	Emb-L5 Development of venous system)	**10:00 – 11:00 am** Phy-L16 Cardiac Cycle	**11:00 am – 12:30 pm** Phy-DSL Types of Hypertension	**12:30 - 02:00 pm** **JUMMA PRAYER**	**02:00 - 03:00 pm** **SDL** (Library/SLRC)
Saturday **online**	Bio-L8 Derived Lipids/ Associated Lipids	Emb-L6 Developmental anomalies of arterial & venous system	Phy-L18 Cardiac Output and its Regulation	Phy-L19 Venous Return and its Regulation		

FDT1:CVS Videos **Bio-P2:** Milk Analysis-I and II (Biochem-9) **Phy-P4:** Recording of Arterial Blood Pressure (Physio-11)

Histo-P2: Identify the medium sized artery under the microscope (Anat-7) **Phy-P5:** Demonstrate the effect of Posture & Exercise on Blood Pressure (Physio11)

Phy-SGD2: Cardiac output /Venous return and thier graphs (Physio 12)

Day/Date	**08:00 – 09:00 am**	**09:00 – 10:00 am**	**10:00 am – 12:00 pm**	**12:00 – 01:00 pm**	**PRAYER BREAK**	**01:30 – 03:00 pm**
WEEK 3						
Monday	Anat-5 Conducting system and Autonomic Nerve supply of the Heart	Phy-L20 Heart Failure: Ty4pes and Compensatory Mechanisms	**PRACTICALS** Batch A: Histo- Batch B: Phy-P6 Batch C: Bio- P3 Batch D: Anat-SGD2	Bio-L9 Lipoproteins		Phar-L1 Drugs used in the treatment of HTN
Tuesday	Phy- L21 Heart Valves & Heart Sounds (Valvular heart diseases	Emb-L7 Fetal circulation	**PRACTICALS** Batch A: SGD2 Batch B: Histo-P3 Batch C: Phy-P6 Batch D: Bio- P3	Histo-L3 Microscopic anatomy of lymph vascular system)		Path-L1 Stages of Atherosclerosis Risk factors and lab. Diagnosis of CAD

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Wednesday	Bio-L10 Hyperlipidemia	Emb-L8 Congenital heart defects (CHD))	**PRACTICALS** Batch A: Bio- P3 Batch B: Anat-SGD2 Batch C: Histo-P3 Batch D: Phy-P6	Med-L1 Types Clinical Presentation and Treatment of Heart Failure		CMed-L1 Prevention of CVD
Thursday	**RESPIRATION**		**PRACTICALS** Batch A: Phy-P6 Batch B: Bio- P3 Batch C: Anat-SGD2 Batch D: Histo-P3	**RESPIRATION**		**RESPIRATION**
	Phy-L1 Mechanics of Pulmonary Ventilation	Anat-L1 Overview of Thorax (skeleton, wall, inlet, outlet, joints of thoracic cage)		Emb-L1 Development of Diaphragm		Bio-L1 Introduction and Classification of Enzymes
Friday	Anat-L2	Bio-L2	**10:00 – 11:00 am**	**11:00 am – 12:30 pm**	**12:30 - 02:00 pm**	**02:00 - 03:00 pm**
	Gross anatomy of Diaphragm	Factors Affecting Enzyme Activity	Phy-L2 Pulmonary Volumes and Capacities	Histo-L1 Respiratory Epithelium & olfactory mucosa	**JUMMA PRAYER**	**SDL** (Library/SLRC)
Saturday **online**	Phy-L3 Alveolar Ventilation	Emb-L3 Development of respiratory system and Developmental anomalies	Phy-L4 Pulmonary Circulation Pulmonary Capillary Dynamics (Pulmonary Edema)	Anat-L3 Mediastinum (Boundaries & structures present in each of its division and subdivision)		

Histo-P3: Study the histological features of veins (Anat-7)

Anat-SGD2: Internal Features of the Heart on Models & (Anat-3)

Phy-P6- Examination of Apex beat & heart sounds (Physio-11)

Respiratory Module

Day/Date	08:00 – 09:00 am	09:00 – 10:00 am	10:00 am – 12:00 pm	12:00 – 01:00 pm		01:30 – 03:00 pm	
WEEK 4							
Monday	Bio-L3 Enzyme Inhibition & Regulation	Anat-L4 Intercostal spaces	**PRACTICALS** Batch A:Histo-P1 Batch B: Phy-P1 Batch C: Bio -SGD-1 Batch D: FDT-1	Anat-L5 Gross anatomy of Lungs and Pleura	**P R A Y E R B R E A K**	**SGDs/ DISSECTION-1** Thorax, components of thoracic cavity and their relations Batch A: (Anat-3) Batch B: (Anat-4) Batch C: (Anat-5) Batch D: (Anat-6)	
Tuesday	Emb-4 Development of body cavities	Phy-L5 Diffusion of gases through the respiratory membrane	**PRACTICALS** Batch A: FDT-1 Batch B:Histo-P1 Batch C: Phy-P1 Batch D: Bio -SGD-1	Anat-L6 Thoracic sympathetic trunk, Phrenic nerve, Thoracic duct)		**SGDs/ DISSECTION-2** Gross features of Sternum, Ribs Batch A: (Anat-3) Batch B: (Anat-4) Batch C: (Anat-5) Batch D: (Anat-6)	
Wednesday	Phy-L6 Transport of oxygen in the blood/O2-Hb dissociation curve Transport of CO2 in the blood	Bio-L4 Steps of respiration/ O2-Hb dissociation curve CO_2 dissociation curve/ Haldane effect	**PRACTICALS** Batch A: Bio - Batch B: FDT-1 Batch C: Histo-P1 Batch D: Phy-	Histo-L2 Histology of trachea & bronchial tree and lungs		**SGDs/ DISSECTION-3** Gross features of thoracic vertebrae Batch A: (Anat-3) Batch B: (Anat-4) Batch C: (Anat-5) Batch D: (Anat-6)	
Thursday	Phy-L7 Regulation of Respiration and Decompression Sickness)	Phy-L8 Respiratory Insufficiency—Pathophysiology,)	**PRACTICALS** Batch A: Phy-P1 Batch B: Bio SGD-1 Batch C: FDT-1 Batch D: Histo-P1	Bio-L6 Oxygen Toxicity)		**SGDs/DISSECTION-4** Thoracic muscles, Inter costal spaces Batch A: (Anat-3) Batch B: (Anat-4) Batch C: (Anat-5) Batch D: (Anat-6)	
Friday			**10:00 am– 12 pm**		**12:30 - 02:00 pm**		**02:00 - 03:00 pm**

			THEORY PAPER CVS & RESP (BLOCK C) **(MCQs)** **Venue: Examination Hall KMC -**		

Histo-P1: Trachea, Lungs (Anat-7)
FDT1: Thorax, Mediastinum (Ana-3)
Anat SGD 3: Study of CVS Models

Bio-SGD-1: Clinical Significance of Enzymes (Biochem-30)
Phy-P2: Vitalography (Recording and Interpretation) (Physio-12),

Phy-P1: Spirometry (Physio-11)
Phy-P3: Stethography (Physio-12)

TIME TABLE OF CARDIOVASCULAR & RESPIRATORY MODULE FOR 1st YEAR MBBS (SESSION 2023-23)

Week 5

BLOCK-C ASSESSMENT

(Cardiovascular Module &Respiratory Module)

Day/Date	09:00 - 10:30 am (see also the departments' notice boards)
Monday	**COMBINED OSPE (B & C)** **Batch A: Physio-11** **Batch B: Old Dissection Hall -**
Tuesday	**COMBINED OSPE (B & C)** **Batch C: Physio-11** **Batch D: Old Dissection Hall**