

WEEK 1

Days	8:00 – 9:00	9:00 – 10:00	10:00 – 11:00	11:00 – 12:00	12:00 – 1:00	1:00 – 2:00	2:00 – 3:00
Monday 1st May,17	LABOUR DAY						
INTRODUCTION TO CVS (2 DAYS)							
Tuesday 2nd May, 17	Anat-L1 Mediastinum: Its divisions and sub divisions (Dr Shazia/Dr Zainab)	Anat-L2 Mediastinum: The structures present in each of its division & sub division (Dr Shazia/Dr Zainab)	Bio-L1 Biochemical Processes in the Heart (An Overview) (Dr Mudassir/Dr Ubaid)	Phy-L1 Overview of Cardiovascular System (Dr Shafiq)	Behavioural Sciences	Dissection/FDT 1 Dissect and identify divisions and contents of the mediastinum in the cadaver/dissected specimen (Dr Shagufta/Dr Afsheen/Dr Harris/Dr Saeed)	
Wednesday 3rd May, 17	(Batch A) SDL		Anat-L3 Major arteries, veins, lymph vessels and lymph nodes in the mediastinum (Dr Shazia/Dr Zainab)	Anat-L4 Embryology Development of heart: Formation of heart tube: circulation through primordial heart (Dr Qaiser/Dr Munila)	Phy-L2 Systemic Circulation (Dr Naila)	Phy-L3 Cardiac Cycle (Phases) (Dr Aslam)	Anat-L5 Embryology: Partitioning of common atrium (Dr Qaiser/Dr Munila)
	(Batch B) Bio-P1 (Dr Sobia)						
	(Batch C) Histo-P1 (Tahira)						
	(Batch D) SDL						
THEME 1: BLUE BABY/CYANOSIS/PULMONARY HYPERTENSION (2 DAYS)							
Thursday 4th May, 17	(Batch A) SDL		Anat-L6 Embryology: Foetal circulation (Dr Qaiser/Dr Munila)	Phy-L4 Changes at Birth in Pulmonary Circulation (Dr Shafiq)	IPS	Dissection/FDT 2 Dissect/Demonstrate the coverings and external features of the heart in the cadaver/ model/ dissected specimen (Dr Shagufta/Dr Afsheen/Dr Harris/Dr Saeed)	
	(Batch B) SDL						
	(Batch C) Bio-P1 (Dr Sadaf)						
	(Batch D) Histo-P1 (Dr Shehla)						
Friday 5th May, 17	(Batch A) Histo-P1 (Tahira)		Anat-L7 Embryology : Congenital heart defects (CHD) (Dr Qaiser/Dr Munila)	Paed-L1 Correlation of Anatomical and Physiological Changes at Birth with Congenital Heart Diseases (Dr Irshad Ahmad)	XXXXXXXXXXXXXXXXXX		
	(Batch B) SDL						
	(Batch C) SDL						
	(Batch D) Bio-P1 (Dr Ubaidullah)						

*Histo-P1=Identify the cardiac muscle under the microscope, Bio-P1=Perform the biochemical tests for the given electrolyte in the serum and Interpret their results

WEEK 2

Days	8:00 – 9:00	9:00 – 10:00	10:00 – 11:00	11:00 – 12:00	12:00 – 1:00	1:00 – 2:00	2:00 – 3:00
THEME 2: PALPITATIONS/ SUDDEN COLLAPSE / CARDIAC ARREST (05 DAYS)							
Monday 8 th May, 17	(Batch A) Bio-P1 (Dr Sobia)	PBL-1 Palpitations	Phy-L5 Action Potential in the Cardiac Muscle (Dr Naila)	Phy-L6 Excitation Contraction Coupling in the Cardiac Muscles And Concept of the Refractory Period (Dr Aslam)	Anat-L8 Conducting system and Autonomic Nerve supply of the Heart	ISP	
	(Batch B) Histo-P1 (Tahira)						
	(Batch C) SDL						
	(Batch D) SDL						
Tuesday 9 th May, 17	(Batch A) Phy-P1 (Dr Umema)	Bio-L2 Role of Electrolytes like sodium and potassium in Cardiac Contractions; their sources, biochemical effects and deficiencies (Dr Sobia)	Phy-L7 Genesis of Impulses in SA Node (Dr Hina)	Phy-L8 Conductive System of the Heart (Dr Sajjad)	Anat-L9 Structural & functional characteristic of CVS (Different types of blood circulation/ types of anastomosis in the body) (Dr Zahid Shah)	Phy-L9 Extrinsic/ Nervous Regulation of the Heart (Dr Saleem)	
	(Batch B) Bio-P2						
	(Batch C) Histo-P2						
	(Batch D) Phy-P1 (Dr Fazlina)						
Wednesday 10 th May, 17	(Batch A) Phy-P2 (Dr Aslam)	Bio-L3 Role of calcium and magnesium in cardiac contraction: their sources, biochemical effects and deficiencies (Dr Sobia)	Phy-L10 Physiological Basis of ECG (Dr Saleem)	Phy-L11 Components of a Normal ECG and Normal Sinus Rhythm (Dr Saleem)	Anat-L10 Histology: Microscopic Structure of Cardiac Muscle and Conductive System of the Heart (Dr Shazia/Dr Zainab)	Phy-L12 12 Leads of ECG and Concept of Cardiac Axis (Dr Saleem)	
	(Batch B) Phy-P1 (Dr Madiha)						
	(Batch C) Bio-P2						
	(Batch D) Histo-P2						
Thursday 11 th May, 17	(Batch A) Histo-P2	Phy-L13 Mechanisms of Cardiac Arrhythmias and Concept of Artificial Pacemaker (Dr Sajjad)	Anat-L11 Embryology: Development of outflow tracts of the heart (Dr Qaiser/Dr Munila)	Phar-L1 Introduction to Anti-Arrhythmic Drugs (Dr Mushtaq Ahmad)	Behavioural Sciences	SDL	
	(Batch B) Phy-P2 (Dr Saleem)						
	(Batch C) Phy-P1 (Dr Umema)						
	(Batch D) Bio-P2						
Friday 12 th May, 17	(Batch A) Bio-P2	Med-L1 Disorders of Heart Rate, Rhythm and Conduction. Introduction to Pacemaker (Dr Inaam Khan)	PBL-1 Palpitations	XXXXXXXXXXXXXXXXXX			
	(Batch B) Histo-P2						
	(Batch C) Phy-P2 (Dr Saleem)						
	(Batch D) Phy-P2 (Dr Aslam)						

*Histo-P2=Identify the cardiac muscle under the microscope, Bio-P2=Perform the biochemical tests for the given electrolyte in the serum and Interpret their results
Phy-P1 =Recording of 12 Lead ECG, Phy-P2=Interpretation and Analysis of ECG

WEEK 3

Days	8:00 – 9:00	9:00 – 10:00	10:00 – 11:00	11:00 – 12:00	12:00 – 1:00	1:00 – 2:00	2:00 – 3:00
THEME 3: CHEST PAIN /ANGINA/ISCHEMIC HEART DISEASE (6 DAYS)							
Monday 15 th May, 17	(Batch A) Phy-P3 (Dr Fazlina)		PBL-2 Chest Pain	Phy-L14 Physical Principles of Circulation (Dr Naila)	Anat-L12 Blood supply of the heart (Dr Zahid Shah)	Bio-L4 Glycolysis: Pathway and Key Enzymes (Dr Zahoor)	Behavioural Sciences
	(Batch B) Bio-P3						
	(Batch C) Phy-P4 (Dr Madiha)						
	(Batch D) SDL						
Tuesday 16 th May, 17	(Batch A) SDL		Bio-L5 Regulation of Glycolysis and its Enzymes Deficiencies (Dr Zahoor)	Phy-L15 Arteries and their Functions (Dr Sajjad)	Phy-L16 Veins and Their Functions (Dr Sajjad)	Anat-L13 Histology: General Structure of the Vessels & their Types (Arteries, Veins & capillaries) (Dr Shazia/Dr Zainab)	Anat-L14 Histology: Differential microscopic features of Veins & Arteries
	(Batch B) Phy-P3 (Dr Madiha)						
	(Batch C) Bio-P3						
	(Batch D) Phy-P4 (Dr Umema)						
Wednesday 17 th May, 17	(Batch A) Phy-P4 (Dr Umema)		Bio-L6 Fatty acid synthesis (Dr Sadaf)	Phy-L17 Microcirculation: Arterioles and Capillaries (Dr Naila)	Anat-L15 Embryology : Development of arterial system I (Dr Qaiser/DrMunila)	Anat-L16 Embryology : Development of arterial system II	Bio-L7 Fatty acid oxidation and regulation of fatty acid metabolism (Dr Sadaf)
	(Batch B) SDL						
	(Batch C) Phy-P3 (Dr Madiha)						
	(Batch D) Bio-P3						
Thursday 18 th May, 17	IPS	Bio-L8 Cholesterol synthesis and degradation and regulation (Dr Sadaf)	Bio-L9 Cardiac Enzymes/Markers: Their Role in the Diagnosis and follow up of Myocardial Infarction (Dr Ubaid)	Phy-L18 Local and Humoral Control of Tissue Blood Flow (Dr Shafiq)	Phy-L19 Features of Coronary Circulation (Dr Hina)	Dissection/FDT-3 Study the blood supply of heart (Dr Shagufta/Dr Afsheen/Dr Harris/Dr Saeed)	
Friday 19 th May, 17	Bio-L10 Lipoprotein Metabolism: Their Synthesis and Degradation (Dr Sadaf)	Phy-L20 Electrocardiographic changes in IHD. Current of Injury, and J point (Dr Saleem)	Bio-L11 Hyperlipidemia (Dr Sadaf)	Path-L1 Hyperlipidemia: Mechanisms involved in the Development of Atherosclerosis and the Risk Factors (Dr Naila Ismail)	XXXXXXXXXXXXXXXXXX		

*Bio-P3= Interpretation of the results of serum cardiac enzymes by students, Phy-P3= Examination of Arterial Pulse and JVP, Phy-P4= Recording of Arterial Blood Pressure

WEEK 4

Days	8:00 – 9:00	9:00 – 10:00	10:00 – 11:00	11:00 – 12:00	12:00 – 1:00	1:00 – 2:00	2:00 – 3:00
Monday 22 nd May, 17	(Batch A) Bio-P3		Med-L2 Coronary Heart Disease: Introduction to Clinical Features Counselling a patient with IHD (Dr Inaam Khan)	Phar-L2 Introduction to Drugs used in IHD (Dr Saadatullah Khan)	PBL-2 Chest Pain	IPS	Behavioural Sciences
	(Batch B) Phy-P4 (Dr Madiha)						
	(Batch C) SDL						
	(Batch D) Phy-P3 (Dr Fazlina)						
THEME 4: BREATHLESSNESS WITH EDEMA/CCF/CARDIOGENIC SHOCK/PULMONARY HYPERTENSION (4 DAYS)							
Tuesday 23 rd May, 17	(Batch A) Phy-P5 (Dr Umema)		PBL-3 Breathlessness, Feet Swelling	Anat-L17 Gross and microscopic anatomy of lymph vascular system (Dr Shazia/Dr Zainab)	Phy-L21 Cardiac Cycle: Pressure Volume Loop and Concepts of SV, EDV, ESV, EF (Dr Aslam)	Bio-L12 Glycogen Storage Diseases (Dr Zahoor)	Phy-L22 Work Output of Heart (Dr Aslam)
	(Batch B) Phy-P6 (Dr Madiha)						
	(Batch C) Histo-P3						
	(Batch D) SGD						
Wednesday 24 th May, 17	Anat-L18 Embryology : Development of lymph vascular system (Dr Qaiser/Dr Munila)	Phy-L23 Intrinsic Regulation of Heart Pumping, Factors affecting the Stroke Volume. Concept of Preload and Afterload (Dr Naila)	Anat-L19 Embryology : Development of Venous System-1 (Dr Qaiser/Dr Munila)	Phy-L24 Functions of Lymphatic System (Dr Sajjad)	Bio-L13 Beri Beri due to deficiency of vitamin B1, its biochemical function and sources (Dr Naheed)	Anat-L20 Embryology : Developmental anomalies of arterial & venous system (DrShazia/DrZainab)	Phy-L25 Cardiac Output, Venous Return and their Regulation (Dr Hina)
Thursday 25 th May, 17	(Batch A) SGD		Anat-L21 Embryology :Development of Venous System-2 (Dr Qaiser/Dr Munila)	Phy-L26 Quantitative Analysis and Measurement of the Cardiac Output (Dr Saleem)	Phy-L27 Heart Failure: Types and Compensatory Mechanisms (Dr Sajjad)	Path-L2 Introduction to Cardiomyopathies (Dr Purdil)	Med-3 Clinical Presentation Of Heart Failure and Counseling a Patient with HF (Dr Bughdad Khan)
	(Batch B) Phy-P5 (Dr Madiha)						
	(Batch C) Phy-P6 (Dr Fazlina)						
	(Batch D) Histo-P3						
Friday 26 th May, 17	(Batch A) Histo-P3		Phar-L3 Introduction to Drugs used in CCF and Iontropic agents (Dr Abid Shah)	PBL-3 Breathlessness, Feet Swelling	XXXXXXXXXXXXXXXXXX		
	(Batch B) SGD						
	(Batch C) Phy-P5 (Dr Umema)						
	(Batch D) Phy-P6 (Dr Fazlina)						

*Histo-P3= Study the histological features of elastic arteries, Phy-P5= Demonstrate the Effect of Posture and Exercise on Blood Pressure, Phy-P6= Examination of the Apex Beat and Heart Sounds, SGD= Identify normal cardiac shadow, borders and cardiomegaly on chest radiographs: demonstrate the surface projection of cardiac valves

WEEK 5

Days	8:00 – 9:00	9:00 – 10:00	10:00 – 11:00	11:00 – 12:00	12:00 – 1:00	1:00 – 2:00	2:00 – 3:00
THEME 5: HYPERTENSION/ CLAUDICATION/PERIPHERAL VASCULAR DISEASE (2 DAYS)							
Monday 29th May, 17	PBL-4 Hypertension	Phy-L28 Nervous Regulation Of The Circulation (Dr Shafiq)	Phy-L29 Rapid Control of Blood Pressure (Dr Naila)	Bio-L14 Hormones involved in the regulation of BP (Dr Ubaid)	Med-L4 Introduction to Hypertension and Counselling Patients with Hypertension (Dr Bughdad Khan)	Bio-L15 Role of Nitric Oxide in BP Regulation (Dr Zahoor)	Phy-L30 Long Term Control of Blood Pressure (Dr Hina)
Tuesday 30th May, 17	IPS	Med-L5 Counselling Patients with Peripheral Vascular Diseases (Dr Zahid Wazir)	Phy-L31 Cardiovascular Changes During Exercise (Dr Hina)	Phy-L32 Circulatory Shocks (Dr Aslam)	Path-L3 Concept of Aneurysms and Varicose Veins (Dr Saima Nadeem)	Phar-L4 Introduction to Anti- hypertensive Drugs (Dr Shandana Amer)	PBL-4 Hypertension
THEME 6: FEVER OF CARDIAC ORIGIN: RHEUMATIC HEART DISEASE/ENDOCARDITIS/PERICARDITIS (3 DAYS)							
Wednesday 31st May, 17	PBL-5 Fever of Cardiac Origin: Rheumatic Heart Disease	Anat-L22 General overview of the heart: Pericardium: Gross Morphology, Neurovascular Supply (Dr Afsheen/Dr Asif)	Bio-L16 Arachidonic Acid Pathway/Biochemistry of Fever (Dr Ubaid)	Phy-L33 Cardiac Cycle: Physiology of the Heart Sounds and Functions of Valves (Dr Aslam)	Anat-L23 Gross Morphology of Heart (Cardiac size, shape and external features) (Dr Afsheen/Dr Asif)	Dissection/FDT 4 Dissect/Demonstrate the heart: study the external and internal features of right heart (Dr Shagufta/Dr Afsheen/Dr Harris/Dr Saeed)	
Thursday 1st June, 17	(Batch A) Phy-P6 (Dr Fazlina)		Anat-L24 Structural Differences in the Heart Valves and Surface Anatomy of the Valves (Dr Waqar/Dr Saeed)	Phy-L34 Valvular Heart Diseases (Dr Hina)	Anat-L25 Embryology : Partitioning of ventricles (DrQaiser/DrMunila)	Dissection/FDT 5 Study the internal features of left heart (Dr Shagufta/Dr Afsheen/Dr Harris/Dr Saeed)	
	(Batch B) Histo-P3						
	(Batch C) SGD						
	(Batch D) Phy-P5 (Dr Umema)						
Friday 2nd June, 17	Behavioural Sciences	Path-L4 Diseases of the Pericardium: Pericardial Effusion, Pericarditis (Dr Nuzhat Sultana)	Med-L6 Introduction to Sub acute Bacterial Endocarditis, Rheumatic Heart Disease, Pericarditis (Dr Zahid Wazir)	PBL-5 Fever of Cardiac Origin: Rheumatic Heart Disease	XXXXXXXXXXXXXXXXXX		

WEEK 6

Days	8:00 – 9:00	9.00 – 10.00	10:00 – 11:00	11:00 – 12:00	12:00 – 1.00	1.00 – 2.00	2.00- 3.00
END OF MODULE ASSESSMENT							
Monday 5 th June, 17	Theory Paper (MCQs, SEQs)						
Tuesday 6 th June, 17	OSPE: (Batch A) Roll # 1- 35			BREAK	OSPE: (Batch B) Roll # 36-70		
	BCLS: (Batch F) Roll # 176-210				BCLS: (Batch G) Roll # 210- 250		
Wednesday 7 th June, 17	OSPE: (Batch C) Roll # 37-105				OSPE: (Batch D) Roll # 105- 140		
	BCLS: (Batch A) Roll # 1- 35				BCLS: (Batch B) Roll # 36-70		
Thursday 8 th June, 17	OSPE: (Batch E) Roll # 141-175				OSPE: (Batch F) Roll # 176-210		
	BCLS: (Batch C) Roll # 37-105				BCLS: (Batch D) Roll # 105- 140		
Friday 9 th June, 17	OSPE: (Batch G) Roll # 210- 250				XXXXXXXXXXXXXXXXXX		
	BCLS: (Batch E) Roll # 141-175						