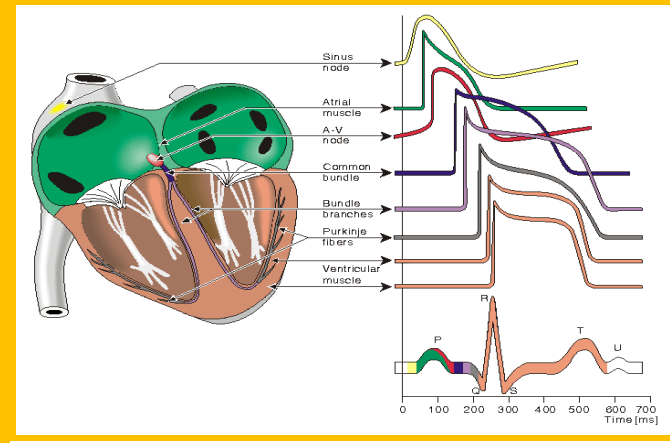




# CARDIOVASCULAR MODULE

1<sup>st</sup> Professional MBBS (Session 2019-20)



**Note:** Given below is the sequence of the calendar that would be followed normally.

Saturday of the same week will be utilized to compensate any unscheduled holiday.

Some abbreviations used: SDL, Self-directed Learning; DSL, Directed Self Learning; P, Practical; SGD, Small Group Discussion;

Anat, Anatomy; Bio, Biochemistry; Emb, Embryology; Histo, Histology; Phy, Physiology

**Division for Lectures: LGA (Large Group A): From Class No. 1- 125, LGB (Large Group B): From Class No. 126- 250 and onward.**

**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 MODULE FOR 1<sup>ST</sup> YEAR MBBS (SESSION 2019-20)**

**WEEK 1**

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	
<b>THEME 1: PALPITATIONS</b>						
<b>Mon 30/03/2020</b>	Anat-L1 General Overview of the Heart Pericardium Dr Junaid (LGA: Anat-1) Anat-DSL Overview of CVS Dr Shehla (LGB: Anat-2)	Phy-L1 Action Potential in the Cardiac Muscle Dr Saleem (LGA: Physio-10) Phy-DSL An Overview of CVS Dr Usman (LGB: Patho-20)	<b>PRACTICALS</b> Batch A: Histo-P1 Dr Tahira Batch B: Phy-P1 Dr Shahmir Batch C: Bio-P1 Dr Naheed Batch D: SDL (Library/SLRC)	Phy-L2 Genesis of Impulses in SA Node Dr Madiha (LGA: Anat-2) Phy-L1 Action Potential in the Cardiac Muscle Dr Saleem (LGB: Physio-10)	<b>P R A Y E R  B R E A K</b>	<b>SGDs</b> Batch A: Anat-SGD1 Dr Matiullah Batch B: SDL (Library/SLRC) Batch C: Bio-SGD1 Dr Hajra Batch D: Phy-SGD1 Dr Huma
<b>Tue 31/03/2020</b>	Phy-L3 Spread of Cardiac Impulse through the Heart Dr Saleem (LGA: Physio-10) Phy-L2 Genesis of Impulses in SA Node Dr Madiha (LGB: Anat-2)	Anat-L2 Gross Morphology of Heart Dr Shehla (LGA: Anat-1) Anat-L1 General Overview of the Heart Pericardium Dr Junaid (LGB: Anat-2)	<b>PRACTICALS</b> Batch A: SDL (Library/SLRC) Batch B: Histo-P1 Dr Tahira Batch C: Phy-P1 Dr Summan Batch D: Bio-P1 Dr Ubaid	Phy-L4 Excitation Contraction Coupling Prof Naila (LGA: Anat-2) Phy-L3 Spread of Cardiac Impulse through the Heart Dr Saleem (LGB: Physio-10)		<b>SGDs</b> Batch A: Phy-SGD1 Dr Huma Batch B: Anat-SGD1 Dr Shagufta Batch C: SDL (Library/SLRC) Batch D: Bio-SGD1 Dr Feroz
<b>Wed 01/04/2020</b>	Phy-L5 Physiological Basis of ECG Dr Saleem (LGA: Physio-10) Phy-L4 Excitation Contraction Coupling Prof Naila (LGB: Anat-2)	Histo-L1 Microscopic Structure of Cardiac Muscle Dr Shazia (LGA: Anat-1) Anat-L2 Gross Morphology of Heart Dr Shehla (LGB: Anat-2)	<b>PRACTICALS</b> Batch A: Bio-P1 Dr Faiza Batch B: SDL (Library/SLRC) Batch C: Histo-P1 Dr Tahira Batch D: Phy-P1 Dr Huma	Phy-L6 12 Leads of ECG Dr Aslam (LGA: Anat-2) Phy-L5 Physiological Basis of ECG Dr Saleem (LGB: Physio-10)		<b>SGDs</b> Batch A: Bio-SGD1 Dr Hajra Batch B: Phy-SGD1 Dr Huma Batch C: Anat-SGD1 Dr Sadaf Batch D: SDL (Library/SLRC)
<b>Thu 02/04/2020</b>	PRIME-1 Emotional Intelligence Dr Bashir (LGA+LGB: Patho-20)	Bio-L1 Role of Electrolytes in Cardiac Contractions Dr Sobia (LGA: Physio-10) Bio-DSL Physical and Chemical Properties of FA Dr Faiza (LGB: Patho-20)	<b>PRACTICALS</b> Batch A: Phy-P1 Dr Shahmir Batch B: Bio-P1 Dr Shabir Batch C: SDL (Library/SLRC) Batch D: Histo-P1 Dr Tahira	Phy-L7 Vectorial Analysis of ECG Dr Saleem (LGA: Physio-10) Phy-L6 12 Leads of ECG Dr Aslam (LGB: Anat-2)		<b>SGDs</b> Batch A: SDL (Library/SLRC) Batch B: Bio-SGD1 Dr Feroz Batch C: Phy-SGD1 Dr Huma Batch D: Anat-SGD1 Dr Ayaz
<b>Fri 03/04/2020</b>	Islamiyat Doctors during natural calamities Dr Zahid (LGA: Anat-1)	Anat-L3 Conducting system and Autonomic Nerve supply of the Heart Dr Junaid (LGA: Anat-1) Histo-L1 Microscopic Structure of Cardiac Muscle Dr Shazia (LGB: Anat-2)	<b>10:00 – 11:00 am</b> Bio-L2 Fatty Acid Chemistry Prof Ubaid (LGA: Physio-10) Bio-L1 Role of Electrolytes in Cardiac Contractions Dr Sobia (LGB: Anat-2)	<b>11:00 am – 12:30 pm</b> Phy-L8 Physical Principles of Circulation Prof Shafiq (LGA: Anat-2) Phy-L7 Vectorial Analysis of ECG Dr Saleem (LGB: Physio-10)		<b>12:30 - 02:00 pm</b>
	Pak Studies Initial problems after 1947 Mr Zafar (LGB: Anat-2)				<b>JUMMA PRAYER</b>	

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

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

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

**Bio-SGD1:** Lipid Peroxidation (Biochem-30)

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

**Phy-SGD1:** Autonomic Control of the Heart (Physio-11)



Shandur Top, often called 'Roof of the World', is the site for Shandur Polo Festival held from 7<sup>th</sup> to 9<sup>th</sup> July every year

**SPRING VACATIONS (4<sup>th</sup> - 12<sup>th</sup> April, 2020)**



**TIME TABLE OF CARDIOVASCULAR MODULE FOR 1<sup>ST</sup> YEAR MBBS (SESSION 2019-20)**

**WEEK 2**

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	
<b>THEME 2: CHEST PAIN</b>						
<b>P R A Y E R B R E A K</b>	<b>Mon 13/04/2020</b>	Anat-L4 Blood supply of the heart Dr Shehla (LGA: Anat-1) Anat-L3 Conducting system and Autonomic Nerve supply of the Heart Dr Junaid (LGB: Anat-2)	Phy-L9 Mechanisms of Cardiac Arrhythmias Dr Saleem (LGA: Physio-10) Phy-L8 Physical Principles of Circulation Prof Shafiq (LGB: Anat-2)	<b>PRACTICALS</b> Batch A: Histo-P2 Dr Tahira Batch B: Phy-P2 Dr Shahmir Batch C: Bio-P2 Dr Naheed Batch D: Phy-P3 Dr Huma	Phy-L10 Arteries, Veins and their Functions Dr Sajjad (LGA: Anat-2) Phy-L9 Mechanisms of Cardiac Arrhythmias Dr Saleem (LGB: Physio-10)	<b>SGDs</b> Batch A: SDL (Library/SLRC) Batch B: Phy-DSL1 Dr Saleem Batch C: Bio-SGD2 Dr Hajra Batch D: Phy-SGD2 Dr Usman
	<b>Tue 14/04/2020</b>	Bio-L3 Simple Lipids Dr Sadaf (LGA: Physio-10) Bio-L2 Fatty Acid Chemistry Prof Ubaid (LGB: Anat-2)	Emb-L1 Formation of heart tube: circulation through primordial heart Prof Qaiser (LGA: Anat-1) Anat-L4 Blood supply of the heart Dr Shehla (LGB: Anat-2)	<b>PRACTICALS</b> Batch A: Phy-P3 Dr Shahmir Batch B: Histo-P2 Dr Tahira Batch C: Phy-P2 Dr Summan Batch D: Bio-P2 Dr Ubaid	Phy-L11 Microcirculation Dr Henna (LGA: Physio-10) Phy-L10 Arteries, Veins and their Functions Dr Sajjad (LGB: Anat-2)	<b>SGDs</b> Batch A: Phy-SGD2 Dr Usman Batch B: SDL (Library/SLRC) Batch C: Phy-DSL1 Dr Saleem Batch D: Bio-SGD2 Dr Feroz
	<b>Wed 15/04/2020</b>	Phy-L12 Acute Control of Local Blood Flow Prof Shafiq (LGA: Anat-2) Phy-L11 Microcirculation Dr Henna (LGB: Physio-10)	Emb-L2 Partitioning of common atrium Dr Zainab (LGA: Anat-1) Emb-L1 Formation of heart tube: circulation through primordial heart Prof Qaiser (LGB: Anat-2)	<b>PRACTICALS</b> Batch A: Bio-P2 Dr Faiza Batch B: Phy-P3 Dr Shahmir Batch C: Histo-P2 Dr Tahira Batch D: Phy-P2 Dr Huma	Histo-L2 Microscopic features of Veins Arteries and Capillaries Dr Shabnum (LGA: Anat-1) Emb-L2 Partitioning of common atrium Dr Zainab (LGB: Anat-2)	<b>SGDs</b> Batch A: Bio-SGD2 Dr Faiza Batch B: Phy-SGD2 Dr Usman Batch C: SDL (Library/SLRC) Batch D: Phy-DSL1 Dr Saleem
	<b>Thu 16/04/2020</b>	<b>PRIME-2</b> Behavioral sciences Defense mechanisms Prof Sultan (LGA+LGB: Anat-1)	Phy-L13 Long term Control of Local Blood Flow and Vascular Remodeling Dr Umema (LGA: Anat-2) Phy-L12 Acute Control of Local Blood Flow Prof Shafiq (LGB: Physio-10)	<b>PRACTICALS</b> Batch A: Phy-P2 Dr Shahmir Batch B: Bio-P2 Dr Shabir Batch C: Phy-P3 Dr Summan Batch D: Histo-P2 Dr Tahira	Phy-L14 Features of Coronary Circulation Dr Henna (LGA: Physio-10) Phy-L13 Long term Control of Local Blood Flow and Vascular Remodeling Dr Umema (LGB: Anat-2)	<b>SGDs</b> Batch A: Phy-DSL1 Dr Saleem Batch B: Bio-SGD2 Dr Shabir Batch C: Phy-SGD2 Dr Usman Batch D: SDL (Library/SLRC)
	<b>Fri 17/04/2020</b>	Islamiyat Doctors during natural calamities Dr Zahid (LGB: Anat-2)	Emb-L3 Partitioning of ventricles Development of outflow tracts Dr Munila (LGA: Anat-1) Histo-L2 Microscopic features of Veins Arteries and Capillaries Dr Shabnum (LGB: Anat-2)	<b>10:00 – 11:00 am</b>  <b>MENTORING</b>	<b>11:00 am – 12:30 pm</b> Phy-L15 Nervous Regulation Of The Circulation Dr Umema (LGA: Physio-10) Phy-L14 Features of Coronary Circulation Dr Henna (LGB: Anat-2)	<b>12:30 - 02:00 pm</b>  <b>JUMMA PRAYER</b>

**Histo-P2:** Identify the medium sized artery under the microscope (Anat-7)

**Bio-P2:** Detection of Lipids in a given sample II (Biochem-9)  
**Bio-SGD2:** Cardiac Enzymes/Markers: Their Role in the Diagnosis and follow up of Myocardial Infarction (Biochem-9)

**Phy-P2:** Examination of Arterial and Venous Pulses (Physio-11)  
**Phy-P3:** Interpretation of ECG (Physio-12)  
**Phy-SGD2:** Lymphatic System: The Pathophysiology of Edema (Physio-12)  
**Phy-DSL1:** Electrocardiographic Changes in IHD. Current of Injury, and J point (Physio-10)

**TIME TABLE OF CARDIOVASCULAR MODULE FOR 1<sup>ST</sup> YEAR MBBS (SESSION 2019-20)**

**WEEK 3**

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	
<b>THEME 3: BLOOD PRESSURE</b>						
<b>Mon</b> 20/04/2020	Emb-L4 Development of arterial system I Prof Qaiser (LGA: Anat-1) Emb-L3 Partitioning of ventricles Development of outflow tracts Dr Munila (LGB: Anat-2)	Phy-L16 Rapid Control of Blood Pressure: Baroreceptor reflex Dr Saleem (LGA: Physio-10) Phy-L15 Nervous Regulation Of The Circulation Dr Umema (LGB: Anat-2)	<b>PRACTICALS</b> Batch A: Histo-P3 Dr Tahira Batch B: Phy-P4 Dr Shahmir Batch C: Bio-P3 Dr Naheed Batch D: SDL (Library/SLRC)	Phy-L17 Rapid Control of Blood Pressure: Chemoreceptor, Atrial and other Nervous Reflexes Prof Naila (LGA: Anat-2) Phy-L16 Rapid Control of Blood Pressure: Baroreceptor reflex Dr Saleem (LGB: Physio-10)	<b>P R A Y E R  B R E A K</b>	<b>SGDs</b> Batch A: Anat-SGD2 Dr Matiullah Batch B: Phy-SGD3 Dr Madiha Batch C: SDL (Library/SLRC) Batch D: Bio-SGD3 Dr Feroz
<b>Tue</b> 21/04/2020	Bio-L4 Complex Lipids I Prof Ubaid (LGA: Physio-10) Bio-L3 Simple Lipids Dr Sadaf (LGB: Anat-2)	Phy-L18 Renin-Angiotensin-Aldosterone System Dr Saleem (LGA: Physio-10) Phy-L17 Rapid Control of Blood Pressure: Chemoreceptor, Atrial and other Nervous Reflexes Prof Naila (LGB: Anat-2)	<b>PRACTICALS</b> Batch A: SDL (Library/SLRC) Batch B: Histo-P3 Dr Tahira Batch C: Phy-P4 Dr Summan Batch D: Bio-P3 Dr Ubaid	Phy-L19 Long-Term Control of Arterial Pressure Dr Henna (LGA: Anat-2) Phy-L18 Renin-Angiotensin-Aldosterone System Dr Saleem (LGB: Physio-10)		<b>SGDs</b> Batch A: Bio-SGD3 Dr Hajra Batch B: Anat-SGD2 Dr Shagufta Batch C: Phy-SGD3 Dr Madiha Batch D: SDL (Library/SLRC)
<b>Wed</b> 22/04/2020	PRIME-3 Writing Rationale, Hypothesis and Research Question Dr Jehan (LGA+LGB: Anat-1)	Bio-L5 Complex Lipids II Dr Sadaf (LGA: Physio-10) Bio-L4 Complex Lipids I Prof Ubaid (LGB: Anat-2)	<b>PRACTICALS</b> Batch A: Bio-P3 Dr Faiza Batch B: SDL (Library/SLRC) Batch C: Histo-P3 Dr Tahira Batch D: Phy-P4 Dr Huma	Phy-L20 Hypertension (Types and Causes) Dr Sajjad (LGA: Physio-10) Phy-L19 Long-Term Control of Arterial Pressure Dr Henna (LGB: Anat-2)		<b>SGDs</b> Batch A: SDL (Library/SLRC) Batch B: Bio-SGD3 Dr Hajra Batch C: Anat-SGD2 Dr Sadaf Batch D: Phy-SGD3 Dr Madiha
<b>Thu</b> 23/04/2020	Phy-L21 Circulatory Shocks (Stages) Dr Saleem (LGA: Physio-10) Phy-L20 Hypertension (Types and Causes) Dr Sajjad (LGB: Patho-20)	Phar-L1 Drugs used in Hypertension- an overview Dr Saleh (LGA+LGB: Anat-1)	<b>PRACTICALS</b> Batch A: Phy-P4 Dr Shahmir Batch B: Bio-P3 Dr Shabir Batch C: SDL (Library/SLRC) Batch D: Histo-P3 Dr Tahira	Phy-L22 Circulatory Shocks (Types) Dr Huma (LGA: Anat-2) Phy-L21 Circulatory Shocks (Stages) Dr Saleem (LGB: Physio-10)		<b>SGDs</b> Batch A: Phy-SGD3 Dr Madiha Batch B: SDL (Library/SLRC) Batch C: Bio-SGD3 Dr Feroz Batch D: Anat-SGD2 Dr Ayaz
<b>Fri</b> 24/04/2020	Islamiyat Importance of nursing Dr Zahid (LGA: Anat-1)	Bio-L6 Complex Lipids III Prof Ubaid (LGA: Physio-10) Bio-L5 Complex Lipids II Dr Sadaf (LGB: Anat-2)	<b>10:00 – 11:00 am</b>	<b>11:00 am – 12:30 pm</b>		<b>12:30 - 02:00 pm</b>
	Pak Studies Constitutional history Mr Zafar (LGB: Anat-2)		Path-L1 Stages of Atherosclerosis Risk factors and lab. Diagnosis of CAD Dr Munawar (LGA+LGB: Anat-1)	Phy-DSL An Overview of CVS Dr Usman (LGA: Physio-10) Phy-L22 Circulatory Shocks (Types) Dr Huma (LGB: Anat-2)	<b>JUMMA PRAYER</b>	<b>SDL</b> (Library/SLRC)

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

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

**Bio-P3:** Detection of Lipids in a given sample III (Biochem-9)

**Bio-SGD3:** Biomedical Importance of Eicosanoids (Biochem-30)

**Phy-P4:** Recording of Arterial Blood Pressure (Physio-11)

**Phy-SGD3:** Factors affecting the Pulse Pressure (Physio-11)

**TIME TABLE OF CARDIOVASCULAR MODULE FOR 1<sup>ST</sup> YEAR MBBS (SESSION 2019-20)**

**WEEK 4**

Ramadan Timings	08:00 – 08:45 am	08:45 – 09:30 am	09:30 am – 11:00 am	11:00 – 11:45 am	11:45 am – 01:00 pm
<b>THEME 4: BREATHLESSNESS AND ANKLE SWELLING</b>					
<b>Mon 27/04/2020</b>	Phy-L23 Cardiac Cycle Dr Saleem (LGA: Physio-10) Phy-DSL Starling's Equilibrium Dr Summan (LGB: Anat-2)	Anat-L5 Structural Differences in the Heart Valves and Surface Anatomy of the Valves Dr Junaid (LGA: Anat-1) Emb-L4 Development of arterial system I Prof Qaiser (LGB: Anat-2)	<b>PRACTICALS</b> Batch A: FDT-1 Dr Matiullah Batch B: Phy-P5 Dr Shahmir Batch C: SDL (Library/SLRC) Batch D: Phy-DSL2 Dr Sara	Phy-L24 Heart Sounds and Functions of Valves Dr Aslam (LGA: Anat-2) Phy-L23 Cardiac Cycle Dr Saleem (LGB: Physio-10)	<b>SGDs</b> Batch A: Anat-SGD3 Dr Matiullah Batch B: Phy-SGD4 Dr Summan Batch C: Bio-DSL1 Dr Ubaid Batch D: SDL (Library/SLRC)
<b>Tue 28/04/2020</b>	Bio-L7 Derived Lipids/ Associated Lipids Dr Sadaf (LGA: Anat-1) Bio-L6 Complex Lipids III Prof Ubaid (LGB: Anat-2)	Phy-L25 Intrinsic Regulation of Heart Dr Saleem (LGA: Physio-10) Phy-L24 Heart Sounds and Functions of Valves Dr Aslam (LGB: Anat-2)	<b>PRACTICALS</b> Batch A: Phy-DSL2 Dr Sara Batch B: FDT-1 Dr Shagufta Batch C: Phy-P5 Dr Summan Batch D: SDL (Library/SLRC)	Emb-L5 Development of arterial system II and Lymph vascular system Prof Qaiser (LGA: Anat-1) Anat-L5 Structural Differences in the Heart Valves and Surface Anatomy of the Valves Dr Junaid (LGB: Anat-2)	<b>SGDs</b> Batch A: SDL (Library/SLRC) Batch B: Anat-SGD3 Dr Shagufta Batch C: Phy-SGD4 Dr Summan Batch D: Bio-DSL1 Dr Naheed
<b>Wed 29/04/2020</b>	Emb-L6 Development of venous system Dr Zainab (LGA: Anat-1) Emb-L5 Development of arterial system II and Lymph vascular system Prof Qaiser (LGB: Anat-2)	Phy-L26 Extrinsic Regulation of Heart Dr Madiha (LGA: Anat-2) Phy-L25 Intrinsic Regulation of Heart Dr Saleem (LGB: Physio-10)	<b>PRACTICALS</b> Batch A: SDL (Library/SLRC) Batch B: Phy-DSL2 Dr Sara Batch C: FDT-1 Dr Sadaf Batch D: Phy-P5 Dr Huma	Phy-L27 Pressure Volume Loop Diagram Cardiac Work Output Dr Saleem (LGA: Physio-10) Phy-L26 Extrinsic Regulation of Heart Dr Madiha (LGB: Anat-2)	<b>SGDs</b> Batch A: Bio-DSL1 Dr Shabir Batch B: SDL (Library/SLRC) Batch C: Anat-SGD3 Dr Sadaf Batch D: Phy-SGD4 Dr Summan
<b>Thu 30/04/2020</b>	Card-L1 Introduction to Basic Life Support (BLS) Prof Amber (LGA+LGB: Patho-20)	Phy-L28 Functions of Lymphatic System (edema) Prof Shafiq (LGA: Physio-10) Phy-L27 Pressure Volume Loop Diagram Cardiac Work Output Dr Saleem (LGB: Anat-2)	<b>PRACTICALS</b> Batch A: Phy-P5 Dr Shahmir Batch B: SDL (Library/SLRC) Batch C: Phy-DSL2 Dr Sara Batch D: FDT-1 Dr Ayaz	Emb-L7 Developmental anomalies of arterial & venous system Dr Munila (LGA: Anat-1) Emb-L6 Development of venous system Dr Zainab (LGB: Anat-2)	<b>SGDs</b> Batch A: Phy-SGD4 Dr Summan Batch B: Bio-DSL1 Dr Faiza Batch C: SDL (Library/SLRC) Batch D: Anat-SGD3 Dr Ayaz
<b>Fri 01/05/2020</b>	<b>LABOUR DAY</b>				

**Anat-SGD3:** Study of CVS Models (Anat-3)

**FDT-1:** CVS Videos (Anat-3)

**Bio-DSL1:** Cholesterol and Enterohepatic Circulation (Biochem-30)

**Phy-P5:** Examination of the Apex Beat and Heart Sounds (Physio-11)

**Phy-DSL2:** Effect of Potassium, Calcium Ions and Temperature on Heart Function (Physio-10)

**Phy-SGD4:** Myocardial Oxygen Consumption (Physio-12)

**TIME TABLE OF CARDIOVASCULAR MODULE FOR 1<sup>ST</sup> YEAR MBBS (SESSION 2019-20)**

**WEEK 5**

Ramadan Timings	08:00 – 08:45 am	08:45 – 09:30 am	09:30 am – 11:00 am	11:00 – 11:45 am	11:45 am – 01:00 pm
<b>THEME 4: BREATHLESSNESS AND ANKLE SWELLING</b>					
<b>Mon 04/05/2020</b>	Phy-L29 Cardiac Output and its Regulation Dr Saleem (LGA: Physio-10) Phy-L28 Functions of Lymphatic System (edema) Prof Shafiq (LGB: Anat-2)	Bio-L8 Lipoproteins and Hyperlipidemia Prof Ubaid (LGA: Physio-10) Bio-L7 Derived Lipids/ Associated Lipids Dr Sadaf (LGB: Anat-2)	<b>PRACTICALS</b> Batch A: SDL (Library/SLRC) Batch B: Phy-P6 Dr Shahmir Batch C: Phy-DSL3 Dr Umema Batch D: Bio-DSL2 Dr Iqbal	Phy-L30 Methods for measuring cardiac output Dr Sajjad (LGA: Anat-2) Phy-L29 Cardiac Output and its Regulation Dr Saleem (LGB: Physio-10)	<b>SGDs</b> Batch A: Skill Lab1 Prof Amber Batch B: Phy-SGD5 Dr Shahmir Batch C: FDT-2 Dr Matiullah Batch D: SDL (Library/SLRC)
<b>Tue 05/05/2020</b>	Bio-DSL Physical and Chemical Properties of FA Dr Shabir (LGA: Physio-10) Bio-L8 Lipoproteins and Hyperlipidemia Prof Ubaid (LGB: Anat-2)	Phy-L31 Venous Return and its Regulation Dr Saleem (LGA: Physio-10) Phy-L30 Methods for measuring cardiac output Dr Sajjad (LGB: Anat-2)	<b>PRACTICALS</b> Batch A: Bio-DSL2 Dr Iqbal Batch B: SDL (Library/SLRC) Batch C: Phy-P6 Dr Summan Batch D: Phy-DSL3 Dr Umema	Phy-L32 Valvular Heart Diseases Prof Naila (LGA: Anat-2) Phy-L31 Venous Return and its Regulation Dr Saleem (LGB: Physio-10)	<b>SGDs</b> Batch A: SDL (Library/SLRC) Batch B: Skill Lab1 Dr Asad Batch C: Phy-SGD5 Dr Shahmir Batch D: FDT-2 Dr Shagufta
<b>Wed 06/05/2020</b>	Histo-L3 Microscopic anatomy of lymph vascular system Dr Shazia (LGA: Anat-1) Emb-L7 Developmental anomalies of arterial & venous system Dr Munila (LGB: Anat-2)	Phy-L33 Cardiovascular Changes During Exercise Dr Saleem (LGA: Physio-10) Phy-L32 Valvular Heart Diseases Prof Naila (LGB: Anat-2)	<b>PRACTICALS</b> Batch A: Phy-DSL3 Dr Umema Batch B: Bio-DSL2 Dr Shabir Batch C: SDL (Library/SLRC) Batch D: Phy-P6 Dr Huma	Emb-L8 Fetal circulation Dr Zainab (LGA: Anat-1) Histo-L3 Microscopic anatomy of lymph vascular system Dr Shazia (LGB: Anat-2)	<b>SGDs</b> Batch A: FDT-2 Dr Sadaf Batch B: SDL (Library/SLRC) Batch C: Skill Lab1 Prof Saadia Batch D: Phy-SGD5 Dr Shahmir
<b>Thu 07/05/2020</b>	Emb-L9 Congenital heart defects (CHD) Dr Junaid (LGA: Anat-1) Emb-L8 Foetal circulation Dr Zainab (LGB: Anat-2)	Phy-L34 Heart Failure: Types and Compensatory Mechanisms Dr Ayesha (LGA: Anat-2) Phy-L33 Cardiovascular Changes During Exercise Dr Saleem (LGB: Physio-10)	<b>PRACTICALS</b> Batch A: Phy-P6 Dr Shahmir Batch B: Phy-DSL3 Dr Umema Batch C: Bio-DSL2 Dr Faiza Batch D: SDL (Library/SLRC)	CMed-L1 Prevention of CVD Dr Aziza (LGA+LGB: Anat-1)	<b>SGDs</b> Batch A: Phy-SGD5 Dr Shahmir Batch B: FDT-2 Dr Ayaz Batch C: SDL (Library/SLRC) Batch D: Skill Lab1 Prof Amber
<b>Fri 08/05/2020</b>	<b>08:00 - 09:00 am</b>	<b>09:00 - 10:00 am</b>	<b>10:00 - 11:00 am</b>	<b>11:00 - 12:00 pm</b>	<b>XXXXXXXX</b>
	Islamiyat Responsibilities of doctors Dr Zahid (LGA: Anat-1)	Phy-DSL Starling's Equilibrium Dr Summan (LGA: Anat-2) Phy-L34 Heart Failure: Types and Compensatory Mechanisms Dr Ayesha (LGB: Physio-10)	Anat-DSL Overview of CVS Dr Shehla (LGA: Anat-1) Emb-L9 Congenital heart defects (CHD) Dr Junaid (LGB: Anat-2)	Med-L1 Clinical Presentation and Treatment of Heart Failure Dr Bughdad (LGA+LGB: Anat-1)	

**FDT-2:** CVS Videos (Anat-3)

**Bio-DSL2:** Role of Lipoproteins in Coronary Heart Disease (Biochem-30)

**Phy-P6:** Demonstrate the Effect of Posture and Exercise on Blood Pressure (Physio-11)

**Phy-SGD5:** Characteristics of Blood flow through various organs like brain, skin, kidneys, liver etc. (Physio-11)

**Phy-DSL3:** Quantitative Analysis of the Cardiac Output and Venous Return (Physio-10)

**Skill Lab1:** Basic Life Support (Skill Lab)