

**Lecture Programme for 1<sup>st</sup> MBBS First Term in Physiology for the year 2016-17**

Day	Date	Time	Topic	Teacher
Monday	12-9-2016	10-11 am	Introduction to Physiology	Dr. Sandip R. Sardessai
Tuesday	13-9-2016		<b>HOLIDAY</b>	
Wednesday	14-9-2016	10-11 am	Transport across Cell Membrane I	Dr. Isabelle Coelho C Afonso
Thursday	15-9-2016	11-12 noon	Functions of blood and body fluids	Dr. Mahesh D. Kamble
Saturday	17-9-2016	9-10 am	Plasma proteins	Dr. Mahesh D. Kamble
Monday	19-9-2016	10-11 am	Transport across Cell Membrane II	Dr. Isabelle Coelho C Afonso
Tuesday	20-9-2016	9-10 am	Erythropoiesis I	Dr. Mahesh D. Kamble
		12-1(S.S)	Structure of cell	
Wednesday	21-9-2016	10-11 am	RMP & A.P	Dr. Isabelle Coelho C Afonso
Thursday	22-9-2016	11-12 noon	Erythropoiesis II	Dr. Mahesh D. Kamble
Saturday	24-9-2016	9-10 am	RBC & Anemia	Dr. Mahesh D. Kamble
Monday	26-9-2016	10-11 am	Classification of nerves	Dr. Isabelle Coelho C Afonso
Tuesday	27-9-2016	9-10 am	Functions of WBC's	Dr. Mahesh D. Kamble
		12-1(S.S)	ESR & fragility	
Wednesday	28-9-2016	10-11 am	Properties of nerves	Dr. Isabelle Coelho C Afonso
Thursday	29-9-2016	11-12 noon	Immunity	Dr. Mahesh D. Kamble
Saturday	1-10-2016	9-10 am	ABO blood group	Dr. Mahesh D. Kamble
Monday	3-10-2016	10-11 am	Neuromuscular junction	Dr. Isabelle Coelho C Afonso
Tuesday	4-10-2016	9-10 am	Rh blood group	Dr. Mahesh D. Kamble
		12-1(S.S)	Autoimmunity & tissue transplantation	
Wednesday	5-10-2016	10-11 am	Excitation Contraction Coupling	Dr. Isabelle Coelho C Afonso
Thursday	6-10-2016	11-12 noon	Hemostasis I	Dr. Mahesh D. Kamble
Saturday	8-10-2016	9-10 am	Hemostasis II	Dr. Mahesh D. Kamble
Monday	10-10-2016	10-11 am	Lymph	Dr. Mahesh D. Kamble
Tuesday	11-10-2016		<b>HOLIDAY</b>	
Wednesday	12-10-2016	10-11 am	Case Study on Blood & Body Temperature	Dr. Mahesh D. Kamble
Thursday	13-10-2016	11-12 noon	Properties of muscle I	Dr. Isabelle Coelho C Afonso
Saturday	15-10-2016	9-10 am	Properties of cardiac muscle	Dr. Sumedha S. Audi
Monday	17-10-2016	10-11 am	Origin & spread of cardiac impulse	Dr. Sumedha S. Audi
Tuesday	18-10-2016	9-10 am	ANS I	Dr. Susana R. Quadros
		12-1(S.S)	Structure of cardiac muscle	
Wednesday	19-10-16	10-11 am	ECG I	Dr. Sumedha S. Audi
Thursday	20-10-16	11-12 noon	ANS II	Dr. Susana R. Quadros
Saturday	22-10-16	9-10 am	ANS III	Dr. Susana R. Quadros
Monday	24-10-16	10-11 am	ECG II	Dr. Sumedha S. Audi
Tuesday	25-10-16	9-10 am	Synapse I	Dr. Susana R. Quadros
		12-1(S.S)	HBE	
Wednesday	26-10-16	10-11 am	ECG III	Dr. Sumedha S. Audi
Thursday	27-10-16	11-12 noon	Synapse II	Dr. Susana R. Quadros
<b>Diwali Vacation From 28<sup>th</sup> October 2016 to 3<sup>rd</sup> November 2016</b>				
Thursday	3-11-16	11-12 noon	Introduction to RS	Dr. Sanjay S. Pandarbale

Saturday	5-11-16	9-10 am	Mechanics of breathing	Dr. Sanjay S. Pandarbale
<b>Monday</b>	<b>7-11-16</b>	<b>10-11 am</b>	<b><u>Test on Blood &amp; Body Fluids</u></b>	
Tuesday	8-11-16	9-10 am	Lung Volumes & Capacities	Dr. Sanjay S. Pandarbale
		12-1(S.S)	Measurement of lung volumes & capacities	
Wednesday	9-11-16	10-11 am	Properties of muscle II	Dr. Isabelle Coelho C Afonso
Thursday	10-11-16	11-12 noon	Compliance	Dr. Sanjay S. Pandarbale
Saturday	12-11-16	9-10 am	Surfactant & airway resistance	Dr. Sanjay S. Pandarbale
Monday	14-11-16	10-11 am	Smooth muscle	Dr. Isabelle Coelho C Afonso
Tuesday	15-11-16	9-10 am	Pulmonary Circulation I	Dr. Sanjay S. Pandarbale
		12-1(S.S)	Pulmonary oedema	
Wednesday	16-11-16	10-11 am	Case study on nerve & muscle	Dr. Isabelle Coelho C Afonso
Thursday	17-11-16	11-12 noon	Pulmonary Circulation II	Dr. Sanjay S. Pandarbale
Saturday	19-11-16	9-10 am	ECG IV	Dr. Sumedha S. Audi
Monday	21-11-16	10-11 am	Oxygen Transport	Dr. Sanjay S. Pandarbale
Tuesday	22-11-16	9-10 am	Cardiac cycle I	Dr. Sumedha S. Audi
		12-1(S.S)	Vector Cardiogram	
Wednesday	23-11-16	10-11 am	Carbon dioxide Transport	Dr. Sanjay S. Pandarbale
Thursday	24-11-16	11-12 noon	Cardiac Cycle II	Dr. Sumedha S. Audi
Saturday	26-11-16	9-10 am	Cardiac Output I	Dr. Sumedha S. Audi
<b>Monday</b>	<b>28-11-16</b>	<b>10-11 am</b>	<b><u>Test on transport, nerve muscle, synapse, ANS</u></b>	
Tuesday	29-11-16	9-10 am	Cardiac Output II	Dr. Sumedha S. Audi
		12-1(S.S)	Non chemical regulation of respiration	
Wednesday	30-11-16	10-11 am	Neural regulation of respiration	Dr. Sanjay S. Pandarbale
Thursday	1-12-16	11-12 noon	B.P I	Dr. Sumedha S. Audi
Saturday	3-12-16		<b>HOLIDAY</b>	
Monday	5-12-16	10-11 am	B.P II	Dr. Sumedha S. Audi
Tuesday	6-12-16	9-10 am	Chemical regulation of respiration	Dr. Sanjay S. Pandarbale
		12-1(S.S)	Hypertension	
Wednesday	7-12-16	10-11 am	B.P III	Dr. Sumedha S. Audi
Thursday	8-12-16	11-12 noon	Hypoxia	Dr. Sanjay S. Pandarbale
Saturday	10-12-16	9-10 am	High altitude sickness	Dr. Sanjay S. Pandarbale
Monday	12-12-16	10-11 am	B.P IV	Dr. Sumedha S. Audi
Tuesday	13-12-16	9-10 am	Dysbarism	Dr. Sanjay S. Pandarbale
		12-1(S.S)	Mountain sickness	
Wednesday	14-12-16	10-11 am	Coronary Circulation I	Dr. Sumedha S. Audi
Thursday	15-12-16	11-12 noon	Respiratory changes during exercise	Dr. Sanjay S. Pandarbale
Saturday	17-12-16	9-10 am	Respiratory diseases & smoking	Dr. Sanjay S. Pandarbale
Monday	19-12-16		<b>HOLIDAY</b>	
Tuesday	20-12-16	9-10 am	Coronary Circulation II	Dr. Sumedha S. Audi
		12-1(S.S)	Hazards of smoking	
Wednesday	21-12-16	10-11 am	Case study on RS	Dr. Sanjay S. Pandarbale
Thursday	22-12-16	11-12 noon	Cerebral Circulation	Dr. Sumedha S. Audi

**Christmas Vacation from 24<sup>th</sup> December 2016 to 1<sup>st</sup> January 2017**

Monday	2-1-17	10-11 am	Introduction to CNS	Dr. Sandip R. Sardessai
Tuesday	3-1-17	9-10 am	Circulatory changes during exercise	Dr. Sumedha S. Audi
		12-1(S.S)	Effect of gravity on circulation	
Wednesday	4-1-17	10-11 am	CSF	Dr. Sandip R. Sardessai
Thursday	5-1-17	11-12 noon	<b>Test on Respiratory System</b>	
Saturday	7-1-17	9-10 am	Shock	Dr. Sumedha S. Audi
Monday	9-1-17	10-11 am	Receptors	Dr. Sandip R. Sardessai
Tuesday	10-1-17	9-10 am	Heart failure I	Dr. Sumedha S. Audi
		12-1(S.S)	Neurotransmitter	
Wednesday	11-1-17	10-11 am	Reflexes	Dr. Sandip R. Sardessai
Thursday	12-1-17	11-12 noon	Heart failure II	Dr. Sumedha S. Audi
Saturday	14-1-17	9-10 am	Case study on CVS	Dr. Sumedha S. Audi
Monday	16-1-17	10-11 am	Sensory system I	Dr. Sandip R. Sardessai
Tuesday	17-1-17	9-10 am	Introduction to GIT	Dr. Susana R. Quadros
		12-1(S.S)		
Wednesday	18-1-17	10-11 am	Sensory system II	Dr. Sandip R. Sardessai
Thursday	19-1-17	11-12 noon	Salivary Secretion	Dr. Susana R. Quadros
Saturday	21-1-17	9-10 am	Deglutition	Dr. Susana R. Quadros
Monday	23-1-17	10-11 am	Gastric Secretion I	Dr. Susana R. Quadros
Tuesday	24-1-17	9-10 am	Sensory system III	Dr. Sandip R. Sardessai
		12-1(S.S)	Peptic Ulcer	
<b>Wednesdy</b>	<b>25-1-16</b>	<b>10-11 am</b>	<b><u>Test on CVS</u></b>	
Thursday	26-1-17		<b>HOLIDAY</b>	
Saturday	28-1-17	9-10 am	Gastric Secretion II	Dr. Susana R. Quadros
Monday	30-1-17	10-11 am	Pancreatic secretions	Dr. Susana R. Quadros
Tuesday	31-1-17	9-10 am	Physiology of pain	Dr. Sandip R. Sardessai
		12-1(S.S)		
Wednesday	1-2-17	10-11 am	Biliary Secretions	Dr. Susana R. Quadros
Thursday	2-2-17	11-12 noon	Intestinal secretions	Dr. Susana R. Quadros
Saturday	4-2-17	9-10 am	Motor Organization I	Dr. Sandip R. Sardessai
<b>Monday</b>	<b>6-2-17</b>	<b>10-11 am</b>	<b><u>Test on CNS I &amp; GIT</u></b>	
Tuesday	7-2-17	9-10 am	Motor Organization II	Dr. Sandip R. Sardessai

**MBBS Weekly Practical and Tutorial Programme**

<u>Date</u>	<u>Practical/ Tutorial</u>	<u>Hematology / Human Lab I</u>	<u>Experimental / Amphibian/ Mammalian/ Clinical Lab II</u>
14-9-16 16-9-16 19-9-16	Practical	Study of Neubauer's Chamber	Simple Muscle Curve and Effect of Graded Stimuli
21-9-16  23-9-16 26-9-16	Tutorial  Practical	Body Fluids and Plasma Proteins.  Total WBC Count / Hb Estimation	Transport across Cell Membranes  Simple Muscle Curve and Effect of 2 Successive Stimuli.
28-9-16  30-9-16 3-10-16	Tutorial  Practical	Erythropoiesis and Physiology of RBC  Hb Estimation / Total WBC Count	R.M.P and Action Potential.  Effect of load on simple muscle curve.
05-10-16  7-10-16 12-10-16	Tutorial  Practical	---  RBC Count / Blood Group , BT, CT	Classification and Properties of Nerves, Wallerian Degeneration and Regeneration.  Effect of Load on Work done.
14-10-16 17-10-16 19-10-16	Tutorial  Practical	---  Blood Group, BT,CT / RBC Count	Neuromuscular junction.  Strength Duration Curve.
21-10-16 24-10-16 26-10-16 28-10-16 31-10-16 2-11-16	Practical	PCV,ESR, Blood Indices	Effect of Fatigue on SMC on fast and slow moving drum.
4-11-16 7-11-16 9-11-16	Practical	History taking and General Examination.	Genesis of Tetanus, Effect of Temperature.
11-11-16 14-11-16 16-11-16	Practical	Clinical Examination of Arterial Pulse, TPR chart	Properties of Cardiac Muscle I & II
18-11-16  21-11-16 23-11-16	Tutorial  Practical	---  DC/ Spirometry & RET	Properties of Cardiac Muscle and Origin and Spread of Cardiac Impulse  EMG.

25-11-16 28-11-16 30-11-16	Tutorial  Practical	---  Spirometry, RET/DC	Cardiac Cycle  Ergography
2-12-16 5-12-16 7-12-16	Tutorial  Practical	---  Hematology Revision/ Artificial Respiration	Compliance and Surfactant  Perfusion of Mammalian Heart and Plain Muscle.
9-12-16 12-12-16 14-12-16	Tutorial  Practical	---  Artificial Respiration / Hematology Revision	ECG  ECG
16-12-16 21-12-16 23-12-16	Practical	Sphygmomanometry / Clinical Examination of RS	Lung Function Tests
2-1-17 4-1-17 6-1-17	Tutorial  Practical	---  Clinical Examination of RS/ Sphygmomanometry	B.P. Regulation  Recording of Mammalian B.P and Respiration
9-1-17 11-1-17 13-1-17	Tutorial  Practical	Coronary Circulation  Clinical Examination of CVS	----  Stethography / Cardiac Efficiency Tests
16-1-17 18-1-17 20-1-17	Tutorial  Practical	Cerebral Circulation  Clinical Examination of GIT	---  Cardiac Efficiency Tests / Stethography
23-1-17 25-1-17 27-1-17	Practical	Revision of Hematology / Revision of Clinical Examination.	Revision of Human Experiments / Revision of charts.
30-1-17 1-2-17 3-2-17	Practical	Revision of Clinical Examination / Revision of Hematology.	Revision of Charts / Revision of Human Experiments.
6-2-17 8-2-17 10-2-17	Practical	Revision	Revision of charts.

**Practicals and Tutorials are taken by all Assistant Lecturers.**