

First Year MBBS UG Schedule (July-December, 2016)

Date	Day	Time	Subject	Teaching learning activity	Topic	Name of the faculty /tutors
01.08.16	Mon	9-10 am	Physiology	Lecture	Introduction of students to Department of Physiology	Dr KK Deepak
		10 am to 5 pm	Physiology	Practical	Batch A: Expt 1 and Expt 2	
					Batch B: Expt 1 and Expt 2	
		10 am to 5 pm	Physiology	Demo Full Day (Inner UG Lab)	Expt 1: Recording of biological phenomena following electrical stimulation	Dr H N Mallick
						Dr Shipra
						Dr Navdeep
						SR 1
						SR 2
						Dr Saritha
						Dr Bhawna
						Dr Meghbir
						Dr Manisha
						Dr Jeevitha
						Dr D Ghosh
Dr Suriya						
Dr Sanjay						
Dr Krishna						
SR 3 , SR 4						
Dr Manju, Dr Sankalp						
Dr Vinay, Dr Udit						
Dr Vinit DrAnant						
02.08.16	Tues	9-10 am	Anatomy	Lecture	Introduction to Anatomy (Gross-I)	Dr T S Roy
		10 am-1 pm	Anatomy	Dissection	Introduction to Dissection	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Introduction to Osteology	Faculty /Tutors
		3-5 pm	Anatomy	Dissection	Tissues of the body	Faculty /Tutors
03.08.16	Wed	9-10 am	Biochemistry	Lecture	Introduction to Biochemistry	Dr. SS Chauhan
		10-11 am	Anatomy	Lecture	Anatomical Terminology (Gross-II)	Dr A Shariff
		11 am-1 pm	Anatomy	Dissection	Tissues of the body	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Clavicle	Faculty /Tutors
		3-5 pm	Anatomy	Dissection	Tissues of the body	Faculty /Tutors
04.08.16	Thurs	9-10 am	Physiology	Lecture	Physiology : The mother science in medicine	Dr KK Deepak
		10-11 am	Biochemistry	Lecture	Cell and its subcellular compartments	Dr. S Karmakar
		11 am- 12 pm	Physiology	Lecture	Introduction to teaching in physiology	Dr R K Yadav and Dr A Patil
		12-1 pm	Physiology	Lecture	Principles of physiological control and homeostasis	Dr KK Deepak
		2-5 pm	Biochemistry	Practical	Introduction to Biochemistry practicals, Instrumentation I	Dr. Archana Singh-1, Dr. Sandeep

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05.08.16	Fri	9-10 am	Physiology	Lecture	Mind body holism	Dr KK Deepak
		10-11 am	Biochemistry	Lecture	Membrane structure and function	Dr. S Karmakar
		11 am-1 pm	Biochemistry	PBL-1	Membrane structure and function	Dr S Karmakar, Dr Ashok,all SR
		2-3 pm	Physiology	Lecture	Ethics in animal experimentation	Dr Nalin Mehta
		3-4 pm	Physiology	Lecture	The scope of applied physiology	Dr KK Deepak
06.08.16	Sat	9-10 am	Biochemistry	Lecture	Mechanism of membrane transport	Dr. S Karmakar
		10-11 am	Anatomy	Lecture	Locomotor system –I (Gross-III)	Dr R Sehgal
		11 am - 1 pm	Anatomy	Dissection	Pectoral region and mammary gland	Faculty /Tutors
08.08.16	Mon	9-10 am	Physiology	Lecture	Body fluids : intercellular, intracellular, blood Principle of measurement	Dr A K Jaryal
		10 am to 5 pm	Physiology	Practical (1st turn)	Batch A: Expt 3	
					Batch B: Expt 4 and Expt 5	
					Batch C: Expt 6 and Expt 7	
		Individual, Full day (Main UG Lab)	Physiology	Individual, Full day (Main UG Lab)	Expt 3: To study the excitable & contractile properties in an amphibian nerve muscle preparation & demonstration of isotonic contraction (B) Effect of threshold, subthreshold & supra-threshold stimuli (C) Effect of two or more successive stimuli Full	Dr N Mehta
						Dr Suriya
						SR1
						SR2
						Dr Vinit
						Dr Manisha
		Individual, Half day (Main UG Lab)	Physiology	Individual, Half day (Main UG Lab)	Expt 4: Preparation of blood film and identification of cells in peripheral blood sample	Dr Udit
						Dr S Kaur
						Dr Shipra
Individual, Half day (Inner UG Lab)	Physiology	Individual, Half day (Inner UG Lab)	Expt 5: Total red blood cells in peripheral blood sample	Dr Bhawna		
				Dr Jeevitha		
				Dr P Tayade		
Individual, Half day (PG Lab)	Physiology	Individual, Half day (PG Lab)	Expt 6: Estimation of hemoglobin concentration in peripheral blood sample Determination of osmotic fragility of erythrocytes	Dr Navdeep		
				Dr Saritha		
				Dr Anant		
Individual, Half day (Side UG Lab)	Physiology	Individual, Half day (Side UG Lab)	Expt 7: Total white blood cells in peripheral blood sample	Dr N Akhtar		
				Dr Krishna		
				SR3		
				Dr Vinay		
Individual, Half day (Side UG Lab)	Physiology	Individual, Half day (Side UG Lab)	Expt 7: Total white blood cells in peripheral blood sample	Dr Sankalp		
				Dr A Patil		
				Dr Sanjay		
Individual, Half day (Side UG Lab)	Physiology	Individual, Half day (Side UG Lab)	Expt 7: Total white blood cells in peripheral blood sample	SR4		
				Dr Manju		
Individual, Half day (Side UG Lab)	Physiology	Individual, Half day (Side UG Lab)	Expt 7: Total white blood cells in peripheral blood sample	Dr Megha		

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Date	Day	Time	Subject	Teaching learning activity	Topic	Name of the faculty /tutors
09.08.16	Tues	9-10 am	Anatomy	Lecture	Introduction to Microanatomy and the cell (Micro-I)	Dr A Shariff
		10 am-1 pm	Anatomy	Dissection/ Practical	Pectoral region/ Microscopy and cell	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Mammary gland	Faculty /Tutors
		3-5 pm	Anatomy	Dissection/ Practical	Pectoral region/ Microscopy and cell	Faculty /Tutors
10.08.16	Wed	9-10 am	Biochemistry	Lecture	Amino acids: The building blocks of proteins	Dr. P Acharya
		10-11am	Anatomy	Lecture	Epithelial tissue (Micro-II)	Dr R Sehgal
		11 am-1 pm	Anatomy	Dissection/ Practical	Axilla/ Epithelial tissue	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Scapula	Faculty /Tutors
		3-5 pm	Anatomy	Dissection/ Practical	Axilla/ Epithelial tissue	Faculty /Tutors
11.08.16	Thurs	9-10 am	Physiology	Lecture	Introduction to blood and functions of plasma proteins	Dr A K Jaryal
		10-11am	Biochemistry	Lecture	Proteins: Introduction	Dr. P Acharya
		11 am- 12 pm	Physiology	Lecture	Physiology of cell	Dr KK Deepak
		12-1 pm	Physiology	Lecture	Principles of hemopoiesis	Dr A K Jaryal
		2-5 pm	Biochemistry	Practical	Instrumentation – II OSPE	Dr. A Singh-1 Dr. Dinesh
12.08.16	Fri	9-10 am	Physiology	Lecture	Molecular building blocks of cell and their function	Dr KK Deepak
		10-11am	Biochemistry	Lecture	Structural organization & conformation of proteins	Dr. MR Rajeswari
		11 am-1 pm	Biochemistry	PBL-1 (contd.)	Membrane structure and function	Dr. S Karmakar, Dr. Ashok, all SRs
		2-3 PM	Physiology	Film show	Physiological mechanisms	Dr D S Chandran
		3-4 PM	Physiology	Film show		
13.08.16	Sat	9-10 am	Anatomy	Lecture	Locomotor system–II (Gross-IV)	Dr R Sehgal
		10 am-1 pm	Anatomy	Dissection	Axilla	Faculty /Tutors

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16.08.16	Tues	9-10 am	Anatomy	Lecture	Axilla (Gross-V)	Dr S Singh
		10 am-1 pm	Anatomy	Dissection	Axilla/ Back	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Brachial plexus	Faculty /Tutors
		3-5 pm	Anatomy	Dissection	Back	Faculty /Tutors
17.08.16	Wed	9-10 am	Biochemistry	Lecture	Methods of studying proteins, concept and application of proteomics	Dr. MR Rajeswari
		10-11 am	Anatomy	Lecture	Connective tissue –I (Micro –III)	Dr R Dada
		11 am-1 pm	Anatomy	Dissection/ Practical	Back/Connective tissue	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Humerus	Faculty /Tutors
		3-5 pm	Anatomy	Dissection/ Practical	Back/ Connective tissue	Faculty /Tutors
18.08.16	Thurs	9-10 am	Physiology	Lecture	Erythropoeisis and its regulation	Dr A K Jaryal
		10-11 am	Biochemistry	Lecture	Plasma proteins :Classification and function	Dr. Archana Singh-2
		11 am- 12 pm	Physiology	Lecture	Physicochemical properties of cell membrane	Dr N Akhtar
		12-1 pm	Physiology	Lecture	Functions of RBC	Dr A K Jaryal
		2-5 pm	Biochemistry	Practical	Paper chromatography	Dr. P Acharya, Dr. Vincent, Dr. Ashok
19.08.16	Fri	9-10 am	Physiology	Lecture	Cell membrane : permeability and transport	Dr D Ghosh
		10-11 am	Biochemistry	Lecture	Hemoglobin: Structure and function	Dr. Archana Singh-2
		11 am-1 pm	Biochemistry	PBL-2	Hemoglobin: Structure and function	Dr. A Singh-2, Dr Karthikeyan all residents
		2-3 pm	Physiology	Lecture	Hemoglobin,iron metabolism & hemoglobinopathies	Dr A K Jaryal
		3-4 pm	Physiology	Lecture	Intercellular connections and communications	Dr D Ghosh
20.08.16	Sat	9-10 am	Biochemistry	Lecture	Hemoglobin contd.	Dr. A Singh-2
		10-11 am	Anatomy	Lecture	Introduction to Nervous system (Gross-VI)	Dr S B Ray
		11 am - 1 pm	Anatomy	Dissection	Scapular region	Faculty /Tutors

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23.08.16	Tues	9-10 am	Anatomy	Lecture	Gametogenesis and germ cells (Embryo-I)	Dr P Dhar
		10 am-1 pm	Anatomy	Dissection	Scapular region	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Revision of Clavicle, Scapula and Humerus	Faculty /Tutors
		3-5 pm	Anatomy	Dissection	Shoulder region	Faculty /Tutors
24.08.16	Wed	9-10 am	Biochemistry	Lecture	Iron metabolism and regulation	Dr. P Acharya
		10-11am	Anatomy	Lecture	Connective tissue –II (Micro –IV)	Dr R Dada
		11 am-1 pm	Anatomy	Dissection/ Practical	Shoulder region/ Connective tissue	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Shoulder joint	Faculty /Tutors
		3-5 pm	Anatomy	Dissection/ Practical	Shoulder region/ Connective tissue	Faculty /Tutors
26.08.16	Fri	9-10 am	Physiology	Lecture	Destruction of red blood cell Physiological basis of jaundice	Dr A K Jaryal
		10-11am	Biochemistry	Lecture	Mineral metabolism & Trace elements	Dr. P Acharya
		11 am-1 pm	Biochemistry	PBL-2 (contd)	Hemoglobin: Structure and function	Dr. A Singh-2, Dr. Karthikeyan, all residents
		2-3 pm	Physiology	Film show	Physiological mechanisms	Dr D S Chandran
		3-4 pm	Physiology	Film show		
27.08.16	Sat	9-10 am	Anatomy	Lecture	Fertilization & transport of gametes (Embryo –II)	Dr P Dhar
		10 am-1 pm	Anatomy	Dissection	Detachment of upper limb and shoulder joint	Faculty /Tutors
29.08.16	Mon	9-10 am	Physiology	Lecture	Properties of nerve fibres	Dr N Akhtar
		10 am - 5pm	Physiology	Practical (3rd turn)	Batch A: Expt 4 and Expt 5	
			Physiology		Batch B: Expt 6 and Expt 7	
			Physiology		Batch C: Expt 3	

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30.08.16	Tues	9-10 am	Anatomy	Lecture	Shoulder joint (Gross-VII)	Dr S Kaler
		10 am-1 pm	Anatomy	Dissection	Shoulder joint & shoulder girdle	Faculty /Tutors
		2-5 pm	Anatomy	Dissection	Front of arm	Faculty /Tutors
31.08.16	Wed	9-10 am	Biochemistry	Lecture	Enzymes: Introduction, classification and nomenclature	Dr. J Kumar
		10-11am	Anatomy	Lecture	Muscular tissue (Micro –V)	Dr T G Jacob
		11 am-1 pm	Anatomy	Dissection/ Practical	Front of arm/ Muscular tissue	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Ulna	Faculty /Tutors
		3-5 pm	Anatomy	Dissection/ Practical	Front of arm/ Muscular tissue	Faculty /Tutors
01.09.16	Thurs	9-10 am	Physiology	Lecture	Action potential and its propagation	Dr N Akhtar
		10-11am	Biochemistry	Lecture	Principles of enzymatic catalysis	Dr. J Kumar
		11am - 12 pm	Physiology	Lecture	Classification and physiological basis of anemia	Dr A K Jaryal
		12-1 pm	Physiology	Lecture	Neuromuscular transmission	Dr N Akhtar
		2-5 pm	Biochemistry	Practical	Estimation of serum proteins, A:G Ratio	Dr. A Singh-2, Dr. Anurag, Dr. Karthikeyan
02.09.16	Fri	9-10 am	Physiology	Lecture	Physiological basis of investigations for anemia and jaundice	Dr A K Jaryal
		10-11am	Biochemistry	lecture	Enzyme- substrate interactions	Dr. J Kumar
		11 am-1 pm	Biochemistry	Tutorial	Heme synthesis and Porphyrins	Dr. A Singh-2
		2-3 pm	Physiology	Lecture	Applied aspects of neuromuscular transmission	Dr N Akhtar
		3-4 pm	Physiology	Tutorial	Hematology - Tutorial 1	Dr A K Jaryal

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03.09.16	Sat	9-10 am	Biochemistry	Lecture	Enzyme kinetics	Dr. J Kumar	
		10-11am	Anatomy	Lecture	Implantation (Embryo –III)	Dr R Dhingra	
		11 am-1 pm	Anatomy	Dissection	Cubital fossa	Faculty /Tutors	
05.09.16	Mon	9-10 am	Physiology	Lecture	Granulopoiesis: Principles and regulation	Dr A K Jaryal	
		10 am to 5 pm	Physiology	Practical (1st turn)	Batch A: Expt 8 and Expt 9		
					Batch B: Expt 10 and Expt 11		
				Individual, Half day (Main UG Lab)	Expt 8: Differential leucocyte count		Dr D Ghosh
							Dr Suriya
		SR1					
		Dr Manju					
		Dr Vinay					
		Individual, Half day (PG Lab)	Expt 9: Platelet count	Dr A Talwar			
				Dr Sanjay			
				SR2			
				Dr Vinit			
Dr Sankalp							
Individual, Half day (Inner UG Lab)	Expt 10: Determination of prothrombin time, bleeding time, clotting time and blood groups	Dr S Kaur					
		Dr Krishna					
		SR3					
		Dr Megha					
		Dr Manisha					
Individual, Half day (Main UG Lab)	Expt 11: Study of work performed by skeletal muscle using amphibian nerve muscle preparation under (a) free loading and (b) after loading conditions	Dr Anant					
		Dr N Akhtar					
		Dr Shipra					
		Dr Navdeep					
		SR4					
06.09.16	Tues	9-10 am	Anatomy	Lecture	First three weeks of development (Embryo –IV)	Dr S B Ray	
		10 am-1 pm	Anatomy	Dissection	Cubital fossa	Faculty /Tutors	
		2-3 pm	Anatomy	Demonstration	Radius	Faculty /Tutors	
		3-5 pm	Anatomy	Dissection	Back of arm	Faculty /Tutors	

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07.09.16	Wed	9-10 am	Biochemistry	Lecture	Regulation of enzyme activity	Dr. J Kumar
		10-11am	Anatomy	Lecture	Neuron, neuroglia and nerves (Micro-VI)	Dr T C Nag
		11 am-1 pm	Anatomy	Dissection/ Practical	Front of forearm / Neuron, neuroglia and nerves	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Skeleton of Hand -I	Faculty /Tutors
		3-5 pm	Anatomy	Dissection/ Practical	Front of forearm / Neuron, neuroglia and nerves	Faculty /Tutors
08.09.16	Thurs	9-10 am	Physiology	Lecture	Introduction to muscle: Structural and functional relationship	Dr N Akhtar
		10-11am	Biochemistry	Lecture	Application of enzymes and drug designing	Dr. H Gururao
		11 am- 12 pm	Physiology	Lecture	Function and fate of white blood cells	Dr A K Jaryal
		12-1 pm	Physiology	Lecture	Excitation-contraction coupling	Dr N Akhtar
		2-5 pm	Biochemistry	Practical	Estimation of amylase activity	Dr. J Kumar, Dr. Pradeep, Dr. Sandeep
09.09.16	Fri	9-10 am	Physiology	Lecture	Energetic of nerve and muscle: Work physiology	Dr N Akhtar
		10-11am	Biochemistry	Lecture	Isoenzymes; enzymes in clinical practice	Dr. S Sen
		11 am-1 pm	Biochemistry	Tutorial	Enzymes	Dr. J Kumar, Dr. Sandeep & all residents
		2-3 pm	Physiology	Lecture	Physiology of immune system: innate immunity	Dr A K Jaryal
		3-4 pm	Physiology	Tutorial	Nerve muscle physiology - Tutorial 1	Dr N Akhtar
10.09.16	Sat	9-10 am	Anatomy	Lecture	Embryonic period (Embryo –V)	Dr S B Ray
		10 am-1 pm	Anatomy	Dissection	Front of forearm and palm	Faculty /Tutors
13.09.16	Tues	9-10 am	Anatomy	Lecture	Hand (Gross-VIII)	Dr N Rani
		10 am-1 pm	Anatomy	Dissection	Palm	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Skeleton of Hand -II	Faculty /Tutors
		3-5 pm	Anatomy	Dissection	Palm	Faculty /Tutors

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14.09.16	Wed	9-10 am	Biochemistry	Lecture	Carbohydrates: chemistry and function	Dr. Ashok Sharma
		10-11am	Anatomy	Lecture	Placenta (Embryo –VI)	Dr R Dhingra
		11 am-1 pm	Anatomy	Dissection	Back of forearm & dorsum of hand	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Surface anatomy of upper limb	Faculty /Tutors
		3-5 pm	Anatomy	Dissection	Back of forearm & dorsum of hand	Faculty /Tutors
15.09.16	Thurs	9-10 am	Physiology	Lecture	Physiology of immune system: adaptive immunity	Dr A K Jaryal
		10-11 am	Biochemistry	Lecture	Complex carbohydrates	Dr. Ashok Sharma
		11 am- 12 pm	Physiology	Lecture	Injury and repair in nerve and muscle	Dr N Akhtar
		12-1 pm	Physiology	Lecture	Development, functions and fate of platelets	Dr A K Jaryal
		2-5 pm	Biochemistry	Practical	Effect of pH and EDTA on amylase activity	Dr. J Kumar, Dr. Ambrish, Dr. Dinesh
CULTURAL WEEK (16th to 22nd September, 2016)						
23.09.16	Fri	9-10 am	Physiology	Lecture	Physiology of smooth muscle-I	Dr N Akhtar
		10-11am	Biochemistry	Lecture	Introduction to metabolism, pathway of glucose metabolism	Dr. P. Chattopadhyay
		11 am-1 pm	Biochemistry	Tutorial	The glycolytic pathway & its regulation	Dr. P. Chattopadhyay
		2-3 pm	Physiology	Lecture	Hemostasis and pathophysiology of Thrombosis	Dr A K Jaryal
		3-4 pm	Physiology	Tutorial	Nerve muscle physiology - Tutorial 2	Dr N Akhtar
24.09.16	Sat	9-10 am	Anatomy	Lecture	Nerves and nerve lesions of upper limb (Gross-IX)	Dr S Singh
		10 am - 1 pm	Anatomy	Dissection	Back of forearm & dorsum of hand	Faculty /Tutors
26.09.16	Mon	9-10 am	Physiology	Lecture	Physiology of smooth muscle-II	Dr N Akhtar
		10 am to 5 pm	Physiology	Practical (2nd turn)	Batch A: Expt 10 and Expt 11	
Physiology	Batch B: Expt 8 and Expt 9					

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27.09.16	Tues	9-10 am	Anatomy	Lecture	Development of body form and age determination (Embryo-VII)	Dr P Dhar
		10 am-1 pm	Anatomy	Dissection/ Practical	Elbow & wrist joint and joints of hand/ Embryo practical-I	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Radiology of upper limb	Dr Manisha Jana Radiology Deptt.
		3-5 pm	Anatomy	Dissection/ Practical	Elbow & wrist joint and joints of hand/ Embryo practical-I	Faculty /Tutors
28.09.16	Wed	9-10 am	Biochemistry	Lecture	Gluconeogenesis & its regulation	Dr. P. Chattopadhyay
		10-11am	Anatomy	Lecture	Pattern of single gene inheritance (Genetics-I)	Dr A Sharma
		11 am-1 pm	Anatomy	Dissection	Elbow & wrist joint and joints of hand	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	How to prepare for mid-semester exam	Faculty /Tutors
		3-5 pm	Anatomy	Dissection	Elbow & wrist joint and joints of hand	Faculty /Tutors
29.09.16	Thurs	9-10 am	Physiology	PBL	Hematology	Dr A K Jaryal
		10-11am	Biochemistry	Lecture	Co-ordinated regulation of glycolysis and gluconeogenesis	Dr. P. Chattopadhyay
		11 am- 12 pm	Physiology	PBL	Hematology	Dr A K Jaryal
		12-1 pm	Physiology	PBL	Hematology	Dr A K Jaryal
		2-5 pm	Biochemistry	Practical	Estimation of LDH activity	Dr. Chattopadhyay, Dr. Prajwal, Dr. Ashok
30.09.16	Fri	9-10 am	Physiology	Lecture	Blood groups, physiological basis of blood transfusion and its reactions	Dr A K Jaryal
		10-11am	Biochemistry	Lecture	Glycogenesis	Dr. S Sen
		11 am-1 pm	Biochemistry	Revision	Revision Practical	Dr. A Singh-1, All residents
		2-3 pm	Physiology	Quiz	Neuromuscular physiology quiz	Dr N Akhtar
		3-4 pm	Physiology	Quiz	Neuromuscular physiology quiz	Dr N Akhtar
01.10.16	Sat	9-10 am	Biochemistry	Lecture	Revision	Dr. Sudip Sen
		10 am-1 pm	Anatomy	Revision	Gross Anatomy/ Microanatomy/Embryology	Faculty /Tutors

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1st MID SEMESTER EXAM (3rd to 14th October, 2016)								
Date	Day	Time	Subject	Teaching learning activity	Topic	Name of the faculty /tutors		
15.10.16	Sat	9-10 am	Biochemistry	Lecture	Glycogenolysis	Dr. Sudip Sen		
		10-11 am	Anatomy	Lecture	Introduction to Thorax (Gross-X a)	Dr S Kaler		
		11 am-1 pm	Anatomy	Dissection	Thorax	Faculty /Tutors		
17.10.16	Mon	9-10 am	Physiology		Introduction to respiratory system and functional anatomy of respiratory system	Dr R Bhatia		
		10 am to 5 pm	Physiology	Practical (1st turn)	Batch A: Expt 12 and Expt 13			
					Batch B: Expt 14 and Expt 15			
					Batch C: Expt 16 and Expt 17			
				Demo, Half Day (Mammalian Lab)	Expt 12: To study (a) Isometric contraction (b) Length – tension relationship	Dr A K Jaryal Dr Suriya Dr Manisha Dr Sankalp		
				Individual, Half day (Inner UG Lab)	Expt 13: Spirometry: Determination of various lung volumes; capacities, timed vital capacity and maximum voluntary ventilation	Dr RK Yadav Dr Krishna SR2 Dr Megha		
				Individual, Half day (Main UG Lab)	Expt 14: Study of human fatigue using: (a) Mosso's ergograph (b) Handgrip dynamometer	Dr P Tayade Dr Sanjay SR3 Dr Jeevitha		
				Individual, Half day (PG Lab)	Expt 15: Determination of eosinophil count Determination of reticulocyte count	Dr A Patil SR1 Dr Vinit Dr Anant		
				Individual, Half day (Demo room)	Expt 16: Determination of blood pressure in a human subject	Dr R Bhatia Dr Navdeep Dr Manju Dr Udit		
				Individual, Half day (Main UG Lab)	Expt 17: Study of the factors controlling ionotropic and chronotropic functions in isolated and perfused amphibian heart preparation	Dr DS Chandran Dr Shipra SR4 Dr Vinay Dr Bhawna Dr Saritha		
		18.10.16	Tues	9-10 am	Anatomy	Lecture	Exocrine glands (Micro-VII)	Dr T C Nag
				10 am-1 pm	Anatomy	Dissection/ Practical	Thoracic wall/ Exocrine glands	Faculty /Tutors
				2-3 pm	Anatomy	Demonstration	Sternum	Faculty /Tutors

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		3-5 pm	Anatomy	Dissection/ Practical	Thoracic wall/ Exocrine glands	Faculty /Tutors
19.10.16	Wed	9-10 am	Biochemistry	Lecture	Galactose and fructose metabolism	Dr. Ashok Sharma
		10-11 am	Anatomy	Lecture	Thoracic wall (Gross-X b)	Dr S Kaler
		11am- 1pm	Anatomy	Dissection	Thoracic wall	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Ribs	Faculty /Tutors
		3-5 pm	Anatomy	Dissection/ Practical	Thoracic wall	Faculty /Tutors
20.10.16	Thurs	9-10 AM	Physiology	Lecture	Introduction, Functional anatomy of heart	Dr R Sharma
		10-11 am	Biochemistry	Lecture	Regulation of blood glucose	Dr. K Chosdol
		11 am- 12 pm	Physiology	Lecture	Mechanics of respiration	Dr R Bhatia
		12-1 pm	Physiology	Lecture	Properties of cardiac muscle	Dr R Sharma
		2-5 pm	Biochemistry	Practical	Serum protein electrophoresis	Dr. S Sen, Dr. Ankita, Dr. Karthikeyan
21.10.16	Fri	9-10 am	Physiology	Lecture	Composition of respired air and pulmonary ventilation	Dr R Bhatia
		10-11 am	Biochemistry	Lecture	TCA Cycle	Dr. K Chosdol
		11am- 1pm	Biochemistry	Case discussion	Glycogen storage diseases	Dr. S Sen, Dr. Sandeep, all residents
		2-3 pm	Physiology	Lecture	Action potential and spread of impulse in the heart	Dr R Sharma
		3-4 pm	Physiology	Lecture	Lung volumes, capacities and assisted ventilation	Dr R Bhatia
22.10.16	Sat	9-10 am	Anatomy	Lecture	Development of Coelom, body cavities & diaphragm (Embryo -VIII)	Dr T S Roy
		10 am-1 pm	Anatomy	Dissection	Pleura and Lungs	Faculty /Tutors
24.10.16	Mon	9-10 am	Physiology	Lecture	Excitation-contraction coupling in myocardium	Dr R Sharma
		10 am to 5 pm	Physiology	Practical (2nd turn)	Batch A: Expt 16 and Expt 17	
			Physiology		Batch B: Expt 12 and Expt 13	

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Date	Day	Time	Subject	Teaching learning activity	Topic	Name of the faculty /tutors
			Physiology		Batch C: Expt 14 and Expt 15	
25.10.16	Tues	9-10 am	Anatomy	Lecture	Pleura and Lungs (Gross-XI)	Dr S Kaler
		10 am-1 pm	Anatomy	Dissection	Pleura and Lungs	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Thoracic vertebra	Faculty /Tutors
		3-5 pm	Anatomy	Dissection	Pleura and Lungs	Faculty /Tutors
26.10.16	Wed	9-10 am	Biochemistry	Lecture	The TCA cycle as a metabolic hub	Dr. K Chosdol
		10-11am	Anatomy	Lecture	Lymphoid tissue (Micro-VIII)	Dr S B Ray
		11 am-1 pm	Anatomy	Dissection/ Practical	External features of heart/ Lymphoid tissue	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Broncho-pulmonary segments	Faculty /Tutors
		3-5 pm	Anatomy	Dissection/ Practical	External features of heart/ Lymphoid tissue	Faculty /Tutors
27.10.16	Thurs	9-10 am	Physiology	Lecture	Electrocardiography	Dr R Sharma
		10-11 am	Biochemistry	Lecture	HMP shunt	Dr. K Chosdol
		11 am- 12 pm	Physiology	Lecture	Exchange of gases in the lungs	Dr R Bhatia
		12-1 pm	Physiology	Lecture	Functional basis of heart sounds and murmurs	Dr R Sharma
		2-5 pm	Biochemistry	Practical	Blood glucose	Dr. K. Chosdol, Dr. Elza, Dr. Sandeep
28.10.16	Fri	9-10 am	Physiology	Lecture	Ventilation perfusion ratio	Dr R Bhatia
		10-11 am	Biochemistry	Lecture	Electron transport chain, ATP synthesis	Dr. K Chosdol
		11am- 1pm	Biochemistry	Case discussion	Clinical case discussion on carbohydrate metabolism	Dr. Chattopadhyay, Dr. Dinesh, All residents
		2-3 pm	Physiology	Lecture	Pressure changes in the heart and cardiac turn	Dr R Sharma
		3-4 pm	Physiology	Tutorial	Respiratory physiology - Tutorial 1	Dr R Bhatia
		9-10 am	Biochemistry	Lecture	Lipids, chemistry, classification and functions	Dr. A Singh-1

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29.10.16	Sat	10-11am	Anatomy	Lecture	Pericardium, External & Internal features of heart (Gross –XII)	Dr S Singh
		11 am-1 pm	Anatomy	Dissection	External features of heart	Faculty /Tutors
Date	Day	Time	Subject	Teaching learning activity	Topic	Name of the faculty /tutors
31.10.16	Mon	9-10 am	Physiology	Lecture	Oxygen carriage and oxygen dissociation curve	Dr R Bhatia
		10 am to 5 pm	Physiology	Practical (3rd turn)	Batch A: Expt 14 and Expt 15	
			Physiology		Batch B: Expt 16 and Expt 17	
			Physiology		Batch C: Expt 12 and Expt 13	
01.11.16	Tues	9-10 am	Anatomy	Lecture	Non-Mendelian pattern of inheritance (Genetics –II)	Dr A Sharma
		10 am-1 pm	Anatomy	Dissection	Blood vessels of heart	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Heart	Faculty /Tutors
		3-5 pm	Anatomy	Dissection	Blood vessels of heart	Faculty /Tutors
02.11.16	Wed	9-10 am	Biochemistry	Lecture	Fatty acid oxidation	Dr. A Singh-1
		10-11am	Anatomy	Lecture	Skin and nerve end organs (Micro-IX)	Dr T G Jacob
		11 am-1 pm	Anatomy	Dissection/ Practical	Internal features of heart/ Skin & nerve end organs	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Internal features of heart	Faculty /Tutors
		3-5 pm	Anatomy	Dissection/ Practical	Internal features of heart/ Skin & nerve end organs	Faculty /Tutors
03.11.16	Thurs	9-10 AM	Physiology	Lecture	Neural regulation of cardiac activity and cardiac reflexes	Dr R Sharma
		10-11 am	Biochemistry	Lecture	Ketone bodies, synthesis and utilization	Dr. A Singh-1
		11 am- 12 pm	Physiology	Lecture	General principles of hemodynamics	Dr R K Yadav
		12-1 pm	Physiology	Lecture	Carbon dioxide carriage	Dr R Bhatia
		2-5 pm	Biochemistry	Practical	Total cholesterol	Dr. A Singh-1, Dr. Abhilash, Dr. Dinesh
04.11.16	Fri	9-10 am	Physiology	Lecture	Neural and local control of circulation	Dr R K Yadav
		10-11 am	Biochemistry	Lecture	Biosynthesis of fatty acids and its regulation	Dr. A Singh-1
		11am- 1pm	Biochemistry	Case discussion	Clinical case discussion on ETC	Dr K Chosdol, Dr. Ashok, All residents

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Date	Day	Time	Subject	Teaching learning activity	Topic	Name of the faculty /tutors
		2-3 pm	Physiology	Lecture	Pulmonary function tests	Dr R Bhatia
		3-4 pm	Physiology	Tutorial	Cardiac physiology - Tutorial 1	Dr R Sharma
05.11.16	Sat	9-10 am	Anatomy	Lecture	Development of respiratory system (Embrvo –IX)	Dr R Dhingra
		10 am-1 pm	Anatomy	Dissection	Internal features of heart	Faculty /Tutors
07.11.16	Mon	9-10 am	Physiology	Lecture	Intrinsic regulation of cardiac activity	Dr R Sharma
		10 am to 5 pm	Physiology	Practical (1st turn)	Batch A: Expt 18 and Expt 19	
					Batch B: Expt 20 and Expt 21	
					Batch C: Expt 22 and Expt 23	
				Individual, Half day (Main UG Lab)	Expt 18: Determination of ESR & PCV Calculation of absolute values Examination of bone marrow smears	Dr S Jain Dr Krishna SR4 Dr Manju
				Individual, Half day (Inner UG Lab)	Expt 19: Clinical examination of respiratory system	Dr KP Kochhar Dr Shipra Dr Megha Dr Jeevitha
				Individual, Half day (Side UG Lab)	Expt 20: Effect of posture on blood pressure	Dr R Sharma Dr Suriya Dr Manisha
				Individual, Half day (Main UG Lab)	Expt 21: Study of neuromuscular transmission in an amphibian nerve muscle preparation: (a) phenomenon of fatigue (b) site of fatigue* (c) neuromuscular blocking	Dr DS Chandran Dr Sanjay SR2 Dr Vinit Dr Sankalp
				Demo, Half Day (Mammalian Lab)	Expt 22: Recording & analysis of compound action potential	Dr R Bhatia Dr Navdeep Dr Bhawna Dr Saritha
				Individual, Half day (Demo Room)	Expt 23: Clinical examination of CVS	Dr A Talwar SR3
08.11.16	Tues			9-10 am	Anatomy	Lecture
		10 am-1 pm	Anatomy	Dissection	Internal features and cross sections of heart	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Mediastinum	Faculty /Tutors

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Date	Day	Time	Subject	Teaching learning activity	Topic	Name of the faculty /tutors
		3-5 pm	Anatomy	Dissection	Internal features and cross sections of heart	Faculty /Tutors
09.11.16	Wed	9-10 am	Biochemistry	Lecture	Mobilization of fat from adipose tissue	Dr. A Singh-1
		10-11am	Anatomy	Lecture	Conducting system , blood vessels and fibrous skeleton of heart (Gross –XIII)	Dr S Singh
		11 am-1 pm	Anatomy	Dissection	Internal features and cross sections of heart	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Surface Anatomy of thorax	Faculty /Tutors
		3-5 pm	Anatomy	Dissection	Posterior mediastinum	Faculty /Tutors
10.11.16	Thurs	9-10 am	Physiology	Lecture	Chemical regulation of respiration	Dr R Bhatia
		10-11 am	Biochemistry	Lecture	Lipoproteins, structure, functions and metabolism	Dr. Alpana Sharma
		11 am- 12 pm	Physiology	Lecture	Cardiac output: measurement and regulation	Dr R Sharma
		12-1 pm	Physiology	Lecture	Physiology of capillaries and lymphatics	Dr R K Yadav
		2-5 pm	Biochemistry	Practical	Cholesterol :HDL estimation	Dr. Alpana Sharma, Dr. Abhilash, Dr. Dinesh
11.11.16	Fri	9-10 am	Physiology	Lecture	Neural regulation of respiration	Dr R Bhatia
		10-11 am	Biochemistry	Lecture	Lipoprotein metabolism and role in plasma cholesterol homeostasis	Dr. Alpana Sharma
		11am- 1pm	Biochemistry	Case discussion	Hyperlipoproteinemias	Dr. Alpana Sharma, Dr. Dinesh, All SRs
		2-3 pm	Physiology	Lecture	Regulation of blood pressure, Hypertension	Dr RK Yadav
		3-4 pm	Physiology	Tutorial	Respiratory physiology - Tutorial 2	Dr R Bhatia
12.11.16	Sat	9-10 am	Biochemistry	Lecture	Biosynthesis of cholesterol and its regulation	Dr. Alpana Sharma
		10-11am	Anatomy	Lecture	Diaphragm and mechanism of respiration (Gross – XIV)	Dr N Rani
		11 am-1 pm	Anatomy	Dissection	Posterior mediastinum	Faculty /Tutors
		9-10 am	Anatomy	Lecture	Autosomal and sex chromosomal abnormalities (Genetics- III)	Dr R Dada

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15.11.16	Tues	11 am-1 pm	Anatomy	Dissection/ Practical	Posterior mediastinum/ Genetics practical	Faculty /Tutors
		2-5 pm	Anatomy	Dissection/ Practical	Posterior mediastinum/ Genetics practical	Faculty /Tutors
Date	Day	Time	Subject	Teaching learning activity	Topic	Name of the faculty /tutors
16.11.16	Wed	9-10 am	Biochemistry	Lecture	Biosynthesis of phospholipids and triglycerides	Dr. Alpana Sharma
		10-11am	Anatomy	Lecture	Respiratory system (Micro –IX)	Dr T G Jacob
		11 am-1 pm	Anatomy	Dissection/ Practical	Sectional Anatomy of Thorax/Respiratory system	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Radiology of thorax	Dr Surbhi Radiology Deptt.
		3-5 pm	Anatomy	Dissection/ Practical	Joints of Thorax and respiratory movements/Respiratory system	Faculty /Tutors
17.11.16	Thurs	9-10 am	Physiology	Lecture	Cardiovascular reflexes	Dr R Sharma
		10-11 am	Biochemistry	Lecture	Prostaglandins	Dr. A Sharma
		11 am- 12 pm	Physiology	Lecture	Special features of coronary circulation	Dr R K Yadav
		12-1 pm	Physiology	Lecture	Hypoxia, cyanosis and dyspnoea	Dr R Bhatia
		2-5 pm	Biochemistry	Practical	Screening tests for inborn errors of metabolism	Dr. K. Luthra, Dr. Karthikeyan
18.11.16	Fri	9-10 AM	Physiology	Lecture	Nutrition and metabolism of the heart	Dr R Sharma
		10-11 am	Biochemistry	Lecture	Amino acid metabolism- an overview and general reactions.	Dr. K Luthra
		11am- 1pm	Biochemistry	Tutorial	Interlinks of metabolic pathways, metabolic adaptations in diabetes mellitus and starvation	Dr. K Luthra
		2-3 PM	Physiology	Lecture	Special features of circulation in skeletal muscle, skin and mesentery	Dr R K Yadav
		3-4 PM	Physiology	Tutorial	Cardiac physiology - Tutorial 2	Dr R Sharma
19.11.16	Sat	9-10 am	Anatomy	Lecture	Anterior Abdominal wall & Inguinal Region (Gross - XVI)	Dr N Rani
		10 am-1 pm	Anatomy	Dissection	Anterior Abdominal wall & Inguinal Region	Faculty /Tutors
21.11.16	Mon	9-10 am	Physiology	Lecture	Exercise physiology	Dr R Sharma
		10-11am	Anatomy	Lecture	Circulatory system (Micro –X)	Dr A Shariff
		11 am-1 pm	Anatomy	Dissection/ Practical	USG Thorax/Circulatory system	Dr S K Bhoi/Tutors

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		2-3 pm	Anatomy	Demonstration	Inguinal region and male external genitalia	Faculty /Tutors
		3-5 pm	Anatomy	Dissection/ Practical	USG Thorax/Circulatory system	Dr S K Bhoi/Tutors

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Date	Day	Time	Subject	Teaching learning activity	Topic	Name of the faculty /tutors
22.11.16	Tues	9-10 am	Anatomy	Lecture	Development of blood vessels & foetal circulation (Embryo -XI)	Dr P Dhar
		10 am-1 pm	Anatomy	Dissection/ Practical	Anterior Abdominal wall & Inguinal Region/ Embryo Practical -II	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Lumbar vertebra	Faculty /Tutors
		3-5 pm	Anatomy	Dissection/ Practical	Anterior Abdominal wall & Inguinal Region/ Embryo Practical -II	Faculty /Tutors
23.11.16	Wed	9-10 am	Biochemistry	Lecture	Amino acid derivatives of biological significance	Dr. K Luthra
		10 am to 5 pm	Physiology	Practical (2nd turn)	Batch A: Expt 22 and Expt 23	
			Physiology		Batch B: Expt 18 and Expt 19	
			Physiology		Batch C: Expt 20 and Expt 21	
24.11.16	Thurs	9-10 am	Physiology	Lecture	Special features of cerebral circulation	Dr R K Yadav
		10-11 am	Biochemistry	Lecture	Detoxification of ammonia, urea cycle	Dr. SS Chauhan
		11 am- 12 pm	Physiology	Lecture	Special features of pulmonary circulation	Dr R Bhatia
		12-1 pm	Physiology	Lecture	Special features of circulation in fetus and neonate	Dr R K Yadav
		2-5 pm	Biochemistry	Practical	Revision	Dr. A Singh-1, All residents
25.11.16	Fri	9-10 am	Physiology	Lecture	Pathophysiology of circulatory shock and cardiac failure	Dr R K Yadav
		10-11 am	Biochemistry	Lecture	Sulphur containing amino acids and homocysteinemia	Dr. SS Chauhan
		11am- 1pm	Biochemistry	Tutorial	Inborn errors of metabolism	Dr. K Luthra
		2-3 pm	Physiology	Lecture	Revision lecture - Cardiac physiology	Dr R Sharma
		3-4 pm	Physiology	Tutorial	Vascular physiology - Tutorial 1	Dr R K Yadav

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26.11.16	Sat	9-10 am	Biochemistry	Lecture	The Extracellular Matrix: Components & significance	Dr. S Sen
		10-11am	Anatomy	Lecture	Meninges and external features of brain (Neuro – I)	Dr T G Jacob
		11 am-1 pm	Anatomy	Dissection	Meninges, external features and blood vessels of brain	Faculty /Tutors
28.11.16	Mon	9-10 am	Physiology	Lecture	Revision lecture - Respiratory physiology	Dr R Bhatia
		10 am to 5 pm	Physiology	Practical (3rd turn)	Batch A: Expt 20 and Expt 21	
					Batch B: Expt 22 and Expt 23	
					Batch C: Expt 18 and Expt 19	
29.11.16	Tues	9-10 am	Anatomy	Lecture	Spinal cord and its blood vessels (Neuro – II)	Dr S B Ray
		10 am-1 pm	Anatomy	Dissection	Inguinal region and male external genitalia	Faculty /Tutors
		2-3 pm	Anatomy	Demonstration	Meninges, external features and blood supply of spinal cord	Faculty /Tutors
		3-5 pm	Anatomy	Dissection	Peritoneum and Recesses	Faculty /Tutors
30.11.16	Wed	9-10 am	Biochemistry	Lecture	Cellular transport, intracellular sorting & trafficking	Dr. S Karmakar
		10 am-1 pm	Anatomy	Revision	Gross Anatomy/ Microanatomy/Embryology	Faculty /Tutors
		2-5 pm	Anatomy	Revision	Gross Anatomy/ Microanatomy/Embryology	Faculty /Tutors
1st END SEMESTER EXAM (1st to 10th December, 2016)						