



अखिल भारतीय आयुर्विज्ञान संस्थान, राजकोट, गुजरात

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAJKOT, GUJARAT

A Central Autonomous Institute of National Importance under PMSSY, MoH & FW, Government of India

शैक्षणिक अनुभाग / ACADEMIC SECTION

UG MBBS Batch 2023-24

Week	Date	Day	9-10 AM	10-11 AM	11-12 AM	12-1.30 PM	1.30-2.30 PM (Break)	2.30-3.30 PM	3.30-4.30 PM	4.30-5 PM
1	11-09-2023	1-Monday	Foundation Course					Lunch		
1	12-09-2023	2-Tuesday	Foundation Course					Lunch		
1	13-09-2023	3-Wednesday	Biochemistry Lecture: Introduction to Biochemistry and its role in medicine Dr. Ragini Singh	Physiology Lecture Introduction to Physiology Dr. Vivek Sharma	Introduction to Anatomy Dr. S. Mehra	DH : Etiquettes All Faculty	Lunch	G.A: Terms, Positions, Movements : All faculty		
1	14-09-2023	4-Thursday	Physiology Lecture General Physiology 1 Functional Organisation of the Human Body Dr. Vinay Chitturi	G.A. Skin Dr. Pradip		Biomedical waste management session - Dr Sundip	Lunch	G.A: Terms, Positions, Movements : All faculty		
1	15-09-2023	5-Friday	Introduction to Physiology Practical Teaching and Student Seminar Program Dr. Vinay Chitturi		Physiology Practical 1.Principles of Microscopy 2.Introduction to experiments on blood and collection of blood samples		Lunch	Physiology Practical 1.Introduction to experiments on blood and collection of blood samples 2.Principles of Microscopy		
1	16-09-2023	6-Saturday	Biochemistry Lecture: Biochemical composition of cellular components Dr. Anita Motiani	Physiology Lecture Blood 1- Dr. Naresh Parmar	Physiology Lecture General Physiology 2 Physiological Regulation and Homeostasis Dr. Vinay Chitturi	Microscopy - Dr. Neha	Lunch			
1	17-09-2023	7-Sunday								
2	18-09-2023	1- Monday	Physiology Lecture Blood 2- Dr. Naresh Parmar	G.A. Fascia Dr. Lalit		General Embryology Dr. Pradip	Lunch	Student seminar on G.A: Terms, Positions, Movements : All faculty Demo: Bones		
2	19-09-2023	2-Tuesday	Biochemistry Lecture: Cell membrane transport and associated clinical	Biochemistry Lecture Chemistry of Lipid - Classification of Lipids	Introduction to practical aspects of Biochemistry - Dr. Amit Sonagra	Demo-Reaction of Monosaccharides - Dr. Amit Sonagra	Lunch	Pipettes, Pipetting and use of glassware and instruments	Biochemistry Tutorial: Introduction	

AIIMS Campus: Village Khandheri, Tehsil- Paddhari, District Rajkot, 360006

Website: <https://aiimsrajkot.edu.in/>



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			disorders Dr. Anita Motiani	Dr. Amit Sonagra				in the lab - Dr. Anita Motiani and Dr. Ragini Singh		to tutorials Dr. Deepak Parchwani
2	20-09-2023	3- Wednesday	Biochemistry Lecture Chemistry of Lipid - Compound Lipids Dr. Amit Sonagra	Physiology Lecture General Physiology 3 Body Fluids 1 Dr. Vinay Chitturi	G.A. Bone Dr. Rohin			General Embryology II Dr. Pradip		
2	21-09-2023	4-Thursday	Physiology Lecture Blood 3- Dr. Naresh Parmar	Histology of Epithelium Dr. Lalit		Histo Practical	Lunch	G.A.Joints Dr. Sundip		
2	22-09-2023	5-Friday	Physiology Student Seminar - Dr Naresh Parmar <u>Cell Organelles</u> 1) Cell Membrane 2) Nucleus 3)Mitochondria 4) ER and Golgi Complex 5) Ribosomes		Physiology Practical 1.Fundamentals of Microscopy 2.Estimation of Hemoglobin		Lunch	Physiology Practical 1.Estimation of Hemoglobin 2.Fundamentals of Microscopy		
2	23-09-2023	6-Saturday	Biochemistry Lecture Chemistry of Lipid - Compound Lipids Dr. Amit Sonagra	Physiology LectureGeneral Physiology 4 Body Fluids 2 Dr. Vinay Chitturi	Physiology LectureGeneral Physiology 5Cellular Transport Systems 1 Dr. Vinay Chitturi	Cell Adhesions & Junctions Dr. Neha	Lunch			
2	24-09-2023	7-Sunday								
3	25-09-2023	1- Monday	Physiology Lecture Blood 4- Dr. Naresh Parmar	G. A Cartilage Dr. Lalit		SGD - General Anatomy	Lunch		Hand Hygiene Practice Dr. Sundip	
3	26-09-2023	2-Tuesday	Biochemistry Lecture Chemistry of Lipid - Derived Lipids Dr. Amit Sonagra	Biochemistry Lecture: Vitamin C Dr. Ragini Singh	Demo- Reactions of Glucose and fructose - Dr. Sagar Dholariya	Seminar and case introduction- Channelopathies case discussion (Dr. Anita Motiani and	Lunch	Reactions of Glucose and fructose (Dr. Anita Motiani and Dr. Sagar	SGT of LCD pH meter - Dr. Anita Motiani	



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						Dr. Sagar Dholariya) and pH meter (LCD-Lecture cum demonstration) - (Dr. Anita Motiani)		Dholariya)		
3	27-09-2023	3-Wednesday	Biochemistry Lecture: Vitamin B1 Dr. Ragini Singh	Physiology Lecture General Physiology 6 Cellular Transport Systems 2 Dr. Vinay Chitturi	G.A. Vessels - Dr. S. Mehra Muscle Dr. Rohin	G.A.	Lunch	G. Embryology -III Dr. Pradip		
3	28-09-2023	4-Thursday	Holiday				Lunch			
3	29-09-2023	5-Friday	Physiology Student Seminar -Dr Pradip Barde <u>Cell Organelles</u> 6) Lysosomes, Peroxisomes & Secretory Vesicles 7) Cytoskeleton 8) Molecular Motors of the Cell 9) Cell Locomotion 10) Intercellular Junctions		Physiology Practical 1.Preparation of a peripheral blood smear and cell identification 2.Blood Grouping		Lunch	Physiology Practical 1.Blood Grouping 2.Preparation of a peripheral blood smear and cell identification		
3	30-09-2023	6-Saturday	Biochemistry Lecture: Vitamin B2 and Vitamin B3 Dr. Ragini Singh	Physiology Lecture Blood 5- Dr. Naresh Parmar	Physiology Lecture Blood 6- Dr. Naresh Parmar	Intro. to AI Dr. Pradip	Lunch			
3	01-10-2023	7-Sunday								
4	02-10-2023	1- Monday	Holiday				Lunch			
4	03-10-2023	2-Tuesday	Biochemistry Lecture: Vitamin B6, Pantothenic acid, Biotin Dr. Ragini Singh	Biochemistry Lecture Folic acid and Vitamin B12 Dr. Ragini Singh	Demo- Precipitation reaction of protein (Dr. Anita Motiani)	Tutorial: Cell membrane and function (Dr. Sagar Dholariya & Dr. Amit Sonagra) and LCD: Biomedical waste management (Dr.Sagar Dholariya)	Lunch	Precipitation reaction of protein (Dr. Anita Motiani & Dr. Amit Sonagra)	SGT of LCD Biomedical waste management (Dr. Sagar Dholariya)	



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4	04-10-2023	3-Wednesday	Biochemistry Lecture: Definition & Classification of carbohydrates Dr. Sagar Dholariya	Physiology Lecture General Physiology 7 Membrane Potentials Dr. Vinay Chitturi	G.A Nervous System Dr. Rohin		Lunch	Introduction to Dissection instruments and Equipments/Instruments of Dissection hall		
4	05-10-2023	4-Thursday	Physiology Lecture Blood 7- Dr. Naresh Parmar	Histo: Connective Tissue Dr. Neha	Histology Practical		Lunch	G.A. Lymphatic System Dr. Sundip		
4	06-10-2023	5-Friday	Physiology Student Seminar - Dr. Vinay Chitturi Genetics 11) DNA & DNA Replication 12) mRNA & Transcription 13) RNA & Translation, Genetic Code 14) Regulation of Gene Expression 15) Gene Mutations and DNA Repair mechanisms		Physiology Practical 1. Differential leukocyte count - 12. Reticulocyte Count		Lunch	Physiology Practical 1. Reticulocyte Count 2. Differential leukocyte count - 1		
4	07-10-2023	6-Saturday	Periodic Test I- Chemistry of carbohydrates and water-soluble vitamins	Physiology Lecture General Physiology 8 Signal Transduction Dr. Vinay Chitturi	Physiology Lecture Blood 8- Dr. Naresh Parmar	AI -II Dr. Lalit				
4	08-10-2023	7-Sunday								
5	09-10-2023	1- Monday	Physiology Lecture Nerve- Muscle 1- Neuron Dr. Rajesh Kathrotia	G. Embryology -IV Dr. Pradip	Demo- Embryology Models			DOAP Session on Histology slide Preparation room, equipment - All Faculty & Histo Technicians		
5	10-10-2023	2-Tuesday	Biochemistry Lecture: Monosaccharides & Disaccharides Dr. Sagar Dholariya	Biochemistry Lecture: Homopolysaccharides - Structure, function and their clinical significance Dr. Sagar Dholariya	Demo- Color reactions of protein (Dr. Sagar Dholariya)	Tutorial- Water soluble vitamins C and B1 and B2- (Dr. Deepak Parchwani & Dr. Ragini Singh) Seminar and Cases (Dr. Deepak Parchwani & Dr.	Lunch	Color reactions of protein (Dr. Sagar Dholariya and Dr. Anita Motiani)	Table Viva on Color reactions of proteins (Dr. Sagar Dholariya and Dr. Anita	



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						Ragini Singh)				Motiani)
5	11-10-2023	3-Wednesday	Biochemistry Lecture: Mucopolysaccharides (GAGs) Dr. Sagar Dholariya	Physiology Lecture Blood 9- Dr. Naresh Parmar	Exam : General Anatomy		Lunch	Introduction to Upper Limb Dr. S. Mehra		
5	12-10-2023	4-Thursday	Physiology Lecture Nerve- Muscle 2 Action potential Dr. Rajesh Kathrotia	Pectoral Region Dr. Pradip	Mammary Gland Dr. Sundip			Demo: Clavicle /DH		
5	13-10-2023	5-Friday	Physiology Student Seminar - Dr. Gaurav Sharma <u>Cell Cycle & Apoptosis</u> 16) Mitotic Cell Division 17) Meiotic Cell Division 18) Cell cycle & its Regulation 19) Cell Differentiation 20) Cell Death - Apoptosis		Physiology Practical 1.Differential leukocyte count - 2 2.Osmotic Fragility of Erythrocytes		Lunch	Physiology Practical 1.Osmotic Fragility of Erythrocytes 2.Differential leukocyte count - 2		
5	14-10-2023	6-Saturday	Biochemistry Lecture Fat Soluble Vitamins- General Introduction and role in health and disease Dr. Deepak Parchwani	Physiology Lecture Blood 10- Dr. Naresh Parmar	Physiology Lecture Blood 11- Dr. Naresh Parmar	Use of AI in technology Dr. Lalit	Lunch			
5	15-10-2023	7-Sunday					Lunch			
6	16-10-2023	1- Monday	Physiology Lecture Blood 12- Dr. Naresh Parmar	Histo: Glands Dr. Neha	Histology Practical		Lunch	DH /Demo: Scapula		
6	17-10-2023	2-Tuesday	Biochemistry Lecture Vitamin A Dr. Deepak Parchwani	Biochemistry Lecture Vitamin D Dr. Deepak Parchwani	Demo- CSF analysis (Dr. Anita Motiani)	Integrated teaching (vertical)- Folic acid and Vitamin B12	Lunch	Pipetting- Autopipettes, CSF analysis (Dr. Ragini Singh and Dr. Anita Motiani)	Table Viva on CSF analysis (Dr. Ragini Singh and Dr. Anita Motiani)	



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6	18-10-2023	3-Wednesday	Biochemistry Lecture Vitamin E & K Dr. Deepak Parchwani	Physiology Lecture Nerve- Muscle 3 Nerve damage and repair Dr. Rajesh Kathrotia	Axilla Dr. Rohin		Lunch	Dissection		
6	19-10-2023	4-Thursday	Physiology Lecture Blood 13- Dr. Naresh Parmar	Scapular Region Dr. Pradip		Axilla II Dr. Rohin	Lunch	DH		
6	20-10-2023	5-Friday	Frog Nerve Muscle Preparation - Dr. Rajesh Kathrotia 1) Simple Muscle Twitch 2) Effect of temp. on SMT 3) Effect of subthreshold and threshold, 4) Effect of two or more successive stimuli		Physiology Practical 1.Total Leukocyte Count 2.Platelet Count		Lunch	Physiology Practical 1.Platelet Count 2.Total Leukocyte Count		
6	21-10-2023	6-Saturday	Biochemistry Lecture Chemistry of amino acids & proteins - Classification of Amino Acids Dr. Anita Motiani	Physiology Lecture Nerve- Muscle 4 Neuromuscular transmission-1 Dr. Rajesh Kathrotia	Physiology Lecture Nerve- Muscle 5 Neuromuscular transmission-2 Dr. Rajesh Kathrotia	AI III Dr. Lalit		Lunch		
6	22-10-2023	7-Sunday								
7	23-10-2023	1- Monday	Physiology PCT Blood	Histo : Muscle & Cartilage Dr. S. Mehra	Histology Practical		Lunch	Demo: Humerus / DH		
7	24-10-2023	2-Tuesday	Holiday				Lunch			
7	25-10-2023	3-Wednesday	Biochemistry Lecture Chemistry of amino acids & proteins - Structural organisation of Proteins Dr. Anita Motiani	Physiology Lecture Cardiac 1 Functional anatomy of the Heart Dr. Vinay Chitturi	Arm & Cubital Fossa Dr. Sundip		Lunch	Demo: Radius & Ulna , DH		
7	26-10-2023	4-Thursday	Physiology Lecture Nerve- Muscle 6 Excitation contraction	Shoulder Joint Dr. S.Mehra	Forearm-I Dr. Rohin Garg		Lunch	Demo: Radius & Ulna , DH		



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			coupling Dr. Rajesh Kathrotia							
7	27-10-2023	5-Friday	Frog Nerve Muscle Preparation - Dr. Rajesh Kathrotia 1) To study isometric contraction 2) Effects of free load and after load 3) Study of Strength duration curve 4) Genesis of tetanus AI in Physiology I &II		Physiology Practical 1.RBC Count 2.Bleeding Time and Clotting Time		Lunch	Physiology Practical 1.Bleeding Time and Clotting Time 2.RBC Count		
7	28-10-2023	6-Saturday	Biochemistry Lecture Chemistry of amino acids and proteins - Classification of Proteins Dr. Anita Motiani	Physiology Lecture Cardiac 2 Properties of Cardiac Muscle Dr. Vinay Chitturi	Physiology Lecture Cardiac 3 Rhythmical Excitation of the Heart Dr. Vinay Chitturi	SGD -Bones of Upper Limb	Lunch			
7	29-10-2023	7-Sunday					Lunch			
8	30-10-2023	1- Monday	Physiology Lecture Nerve- Muscle 7Mechanism of muscle contraction Dr. Rajesh Kathrotia	Histo: Bone Dr. Lalit	Histology Practical		Lunch	Demo: Articulated Hand & DH		
8	31-10-2023	2-Tuesday	Holiday				Lunch			
8	01-11-2023	3- Wednesday	Biochemistry Lecture Chemistry of amino acids and proteins - General Reactions of amino acids Dr. Anita Motiani	Physiology Lecture Cardiac 4 Fundamentals of Electrocardiography 1 Dr. Vinay Chitturi	Forearm-II Dr. Rohin Garg		Lunch	DH		
8	02-11-2023	4-Thursday	Physiology Lecture Nerve- Muscle 8 Properties of muscle Dr. Rajesh Kathrotia	Elbow Joint Dr. Pradip	Hand Dr. Sundip		Lunch	DH		
8	03-11-2023	5-Friday	Amphibian Heart - Preparation -Dr. Vinay		Physiology Practical		Lunch	Physiology Practical		



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			Chitturi Cardiac Muscle Properties AI in Physiology III&IV		1.ESR, PCV, Red Cell Indices (Forenoon A) 2.Visit to Pathology: Automated Cell Counts and Complete Hemogram (Afternoon Visit A)			1.Visit to Pathology: Automated Cell Counts and Complete Hemogram (Afternoon Visit A) 2.ESR, PCV, Red Cell Indices (Forenoon A)		
8	04-11-2023	6-Saturday	Periodic Test II: Fat-soluble vitamins, LCD topics, amino acids and protein	Physiology Lecture Cardiac 5- Fundamentals of Electrocardiography 2 Dr. Vinay Chitturi	Physiology Lecture Cardiac 6-Cardiac Cycle Dr. Vinay Chitturi	SGD - Soft Parts	Lunch			
8	05-11-2023	7-Sunday								
9	06-11-2023	1- Monday	Physiology Lecture Nerve- Muscle 9 Applied aspects Dr. Rajesh Kathrotia	Radioulnar& other Joints of UL Dr. Neha	Palmar Spaces Dr. Sundip		Lunch	DH /Radiology Surface Marking -All Faculty		
9	07-11-2023	2-Tuesday	Biochemistry Lecture Prostaglandins Dr. Anita Motiani	Biochemistry Lecture Plasma Proteins Dr. Sagar Dholariya	Demo- Normal urine analysis (Dr. Amit Sonagra)	Tutorial: Amino acids and proteins, (Dr. Amit Sonagra and Dr. Ragini Singh) Small Group teaching- LCD: Electrophoresis (Dr. Ragini Singh)	Lunch	Normal urine analysis (Dr. Amit Sonagra and Dr. Ragini Singh)	SGT on LCD: Electrophoresis (Dr. Ragini Singh)	
9	08-11-2023	3- Wednesday	Biochemistry Lecture Plasma Proteins Dr. Sagar Dholariya	Physiology Lecture Cardiac 7 Determinants of Cardiac Output Dr. Vinay Chitturi	Student Seminar - Nerve injuries		Lunch	DH /Radiology Surface Marking -All Faculty		
9	09-11-2023	4-Thursday	Physiology Lecture Cardiac 8 Regulation of Cardiac	PCT - Upper Limb			Lunch	PCT - Upper Limb		



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			Pumping Dr. Vinay Chitturi							
9	10-11-2023	5-Friday	Blood PCT (23.10.2023) feedback Quiz - Blood Dr Naresh Parmar			Physiology Practical 1.Hematology Revision 1- DLC and Manual Cell Counts (Forenoon B) 2.Hematology Revision 2 - Hb, Blood Groups, BT, CT (Afternoon Visit B)	Lunch	Physiology Practical 1.Hematology Revision 2 - Hb, Blood Groups, BT, CT (Afternoon Visit B) 2.Hematology Revision 1- DLC and Manual Cell Counts (Forenoon B)		
9	11-11-2023	6-Saturday	Biochemistry Lecture: Enzymology-How enzymes work and related theories Dr. Ragini Singh	Physiology PCT General and NM Physiology		Use of AI in technology Dr. Pradip	Lunch			
9	12-11-2023	7-Sunday								
10	13-11-2023	1- Monday	Holiday				Lunch			
10	14-11-2023	2-Tuesday	Biochemistry Lecture:Enzyme classification and factors affecting enzyme activityDr. Ragini Singh	Biochemistry Lecture Enzyme inhibition 1Dr. Ragini Singh	Demo-Abnormal constituents of Urine 1Dr. Anita Motiani	Seminar/cases and SGT on LCD Sample collection and centrifugation (Dr. Sagar Dholariya and Dr. Amit Sonagra)	Lunch	Biochemistry Practical Abnormal constituents of Urine 1 (Dr. Anita Motiani and Dr. Amit Sonagra)	Writing of Urine report (Dr. Sagar Dholariya)	
10	15-11-2023	3-Wednesday	Biochemistry Lecture Enzyme inhibition 2 Dr. Ragini Singh	Physiology Lecture Cardiac 9 Valvular and Congenital Heart Disease Dr. Vinay Chitturi	Intro: Thorax,Thoracic wall Dr. Sundip		Lunch	Demo: Sternum / DH		
10	16-11-2023	4-Thursday	Physiology Lecture Respiratory 1- Functional Organization of	Pleura & Mediastinum Dr. Rohin		DH	Lunch	DH		



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			Respiratory System Dr. Gaurav Sharma							
10	17-11-2023	5-Friday	Physiology Practical Exam 1) Hematology 2) Viva Spotters		Physiology Practical Exam 1) Hematology 2) Viva		Lunch	Physiology Practical Exam 1) Viva 2) Hematology		
10	18-11-2023	6-Saturday	Biochemistry Lecture: Regulation of enzyme activity Dr. Ragini Singh	Physiology Lecture Vascular 1- Hemodynamics Dr. Pradip Barde	Physiology Lecture Vascular 2- Microcirculation Dr. Pradip Barde	Embryology CVS Dr. Sundip	Lunch			
10	19-11-2023	7-Sunday					Lunch			
11	20-11-2023	1- Monday	Physiology Lecture Respiratory 2- Mechanics of breathing Dr. Gaurav Sharma	Histo: Vessels Dr. Neha	Histology Practical		Lunch	DH /Demo: Ribs		
11	21-11-2023	2-Tuesday	Biochemistry Lecture: Hemoglobin & Porphyrins Dr. Deepak Parchwani	Biochemistry Lecture: Synthesis of Heme & Porphyrias Dr. Deepak Parchwani	Demo- Abnormal constituents of Urine 2 (Dr. Amit Sonagra)	Tutorial: Enzymology (Dr. Ragini Singh and Dr. Anita Motiani) Seminar and case	Lunch	Biochemistry Practical Abnormal constituents of Urine 2 (Dr. Amit Sonagra and Dr. Sagar Dholariya)	Characteriza tion of proteins by electrophore sis (Dr. Amit Sonagra)	
11	22-11-2023	3- Wednesday	Biochemistry Lecture Degradation of heme/Jaundice Dr. Deepak Parchwani	Physiology Lecture Vascular 3 Determinants of arterial blood pressure Dr. Pradip Barde	Lungs (Integration with Pulm. Medicine) Dr. Lalit		Lunch	DH/ Demo: Thoracic Vertebrae		
11	23-11-2023	4-Thursday	Physiology Lecture Respiratory 3 Lung Volumes and Capacities Dr. Gaurav Sharma	Pericardium & Heart 1(Integration with Gen. Medicine) Dr. S. Mehra		DH	Lunch	DH		



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11	24-11-2023	5-Friday	GP, NM Physiology PCT (18.11.2023) feedback + Quiz - GP +NM Dr. Rajesh Kathrotia Dr Vinay Chitturi		Physiology Practical 1.Mosso's Ergography 2.EMG and Motor NCV		Lunch	Physiology Practical 1.EMG and Motor NCV 2.Mosso's Ergography		
11	25-11-2023	6-Saturday	Biochemistry Lecture Hyperbilirubinemia Dr. Deepak Parchwani	Physiology Lecture Vascular 4-Blood Pressure: Short term regulation Dr. Pradip Barde	Physiology Lecture Vascular 5-Blood Pressure: long term regulation Dr. Pradip Barde	Heart II Dr. S.Mehra				
11	26-11-2023	7-Sunday								
12	27-11-2023	1- Monday	Holiday				Lunch			
12	28-11-2023	2-Tuesday	Biochemistry Lecture HemoglobinopathiesDr . Deepak Parchwani	Biochemistry Lecture Water & Electrolyte Balance - MechanismsDr. Amit Sonagra	Biochemistry Integrated Lecture - Neonatal Jaundice	Tutorial on Jaundice and porphyrias, Small Group teaching-Quiz/ Assignment (Dr. Ragini Singh and Dr. Anita Motiani)	Lunch	Viva Voce - All Faculties		
12	29-11-2023	3- Wednesday	Biochemistry Lecture Water & Electrolyte Balance - Clinical disorders Dr. Amit Sonagra	Physiology Lecture Vascular 6 Local and Humoral Control of blood flow Dr. Pradip Barde	Coronary Circulation Dr. Rohin			DH		
12	30-11-2023	4-Thursday	Physiology Lecture Respiratory 4 Pulmonary Ventilation Dr. Gaurav Sharma	Embryology CVS Dr. Sundip		Azygous Venous System Dr. Neha	Lunch	DH		
12	01-12-2023	5-Friday	Physiology Student Seminar - 21-25 Dr. Gaurav Sharma AI in Physiology IV &V		Physiology Practical 1.ECG 1 2.Sensory NCV and Strength Duration Curves		Lunch	Physiology Practical 1.Sensory NCV and Strength Duration Curves 2.ECG1		
12	02-12-2023	6-Saturday	Biochemistry Lecture Artificial Intelligence in Laboratory Medicine	Physiology Lecture Vascular 7 Special Circulation:	Physiology Lecture Respiratory 5 Pulmonary	SVC, Aorta,Pulmonary Trunk Dr. Lalit	Lunch			



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			Dr. Deepak Parchwani	Coronary Dr. Pradip Barde	Circulation and Ventilation Perfusion Ratio Dr. Gaurav Sharma					
12	03-12-2023	7-Sunday					Lunch			
13	04-12-2023	1- Monday	Physiology Lecture Vascular 8 Special Circulation: Cerebral Dr. Pradip Barde	Histo: Skin Dr. Neha	Histology Practical		Lunch	DH/Demo: Embryology Models		
13	05-12-2023	2-Tuesday	Periodic Test III: Heme metabolism, water and electrolyte balance, enzymology			Demo-Colorimeter and Spectrophotometer (Dr. Sagar Dholariya)	Lunch	Verification of Beer's Lambert's law (Dr. Sagar Dholariya and Dr. Amit Sonagra)	Characterisation of hemoglobinopathies with Electrophoresis (Dr. Deepak Parchwani)	
13	06-12-2023	3-Wednesday	Biochemistry Lecture Digestion & Absorption of carbohydrate, glycolysis Dr. Sagar Dholariya	Physiology Lecture Respiratory 6 Diffusion and Gas exchange in Lungs Dr. Gaurav Sharma	Trachea, Thoracic duct, Oesophagus - (Integration with Anaesthesia) Dr. Lalit		Lunch	DH / S.M. & Radiology Thorax (Integration with Radiology)		
13	07-12-2023	4-Thursday	Physiology Lecture Vascular 9 Special Circulation splanchnic, fetal and neonatal Dr. Pradip Barde	Sympathatic Trunk, Vagus & Phrenic Nerves Dr. Lalit	Fibrous Skeleton & Conducting System Dr. Pradip		Lunch	DH / S.M. & Radiology Thorax		
13	08-12-2023	5-Friday	Physiology Student Seminar - Dr. Naresh Parmar 26-30			Physiology Practical 1.ECG 2 2.Introduction to Clinical Examination	Lunch	Physiology Practical 1.Introduction to Clinical Examination		



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								2.ECG 2		
13	09-12-2023	6-Saturday	Biochemistry Lecture Glycolysis and its regulation Dr. Sagar Dholariya	Physiology Lecture Respiratory 7 Oxygen transport Dr. Gaurav Sharma	Physiology Lecture Respiratory 8 Carbon dioxide transport Dr. Gaurav Sharma	Natural and Organoid Intelligence Dr. Sundip	Lunch			
13	10-12-2023	7-Sunday								
14	11-12-2023	1- Monday	Physiology Lecture Vascular 10 Venous system and Lymphatics Dr. Pradip Barde	PCT - Thorax Theory			Lunch	PCT Practical Thorax		
14	12-12-2023	2-Tuesday	Biochemistry Lecture: TCA Cycle Dr. Sagar Dholariya	Biochemistry Lecture: Gluconeogenesis Dr. Sagar Dholariya	Demo-Estimation of Plasma Glucose (Dr. Anita Motiani)	Seminar and cases, Introduction to spotters and exercises based on topics covered (Dr. Anita Motiani and Dr. Amit Sonagra)	Lunch	Estimation of Plasma Glucose (Dr. Anita Motiani and Dr. Amit Sonagra)	Kinetics vs fixed time assays in the estimation of biomolecules (Dr. Ragini Singh)	
14	13-12-2023	3-Wednesday	Biochemistry Lecture Galatose and Alcohol Metabolism Dr. Sagar Dholariya	Physiology Lecture Respiratory 9 Chemical Regulation of Respiration Dr. Gaurav Sharma	Intro : Lower limb & Front of Thigh I Dr. Rohin		Lunch	DH / Thorax Model Excibition by Students		
14	14-12-2023	4-Thursday	Physiology Lecture Vascular 11 Circulatory shock Dr. Pradip Barde	Front of Thigh II Dr. Rohin		Demo: Hip Bone	Lunch	DH/ Demo: Hip Bone		
14	15-12-2023	5-Friday	ECG case base learning -1 Dr. Vinay Chitturi			Physiology Practical 1.Phonocardiography & Korotkoff Sounds 2.Pulse Examination		Lunch	Physiology Practical 1.Pulse Examination 2.Phonocardiography & Korotkoff Sounds	



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14	16-12-2023	6-Saturday	Biochemistry Lecture: Glycogen storage disorder & HMP pathway Dr. Sagar Dholariya	Physiology PCT Cardio- Vascular System		Emb. CVS Dr. Sundip	Lunch			
14	17-12-2023	7-Sunday								
15	18-12-2023	1- Monday	Physiology Lecture Respiratory 10 Neural Regulation of Respiration Dr. Gaurav Sharma	Medial Side of Thigh Dr. Lalit	Gluteal Region Dr. S. Mehra		Lunch	DH/ Demo: Femur		
15	19-12-2023	2-Tuesday	Biochemistry Lecture Blood Glucose Regulation Dr. Sagar Dholariya	Biochemistry Lecture Clinical Enzymology Dr. Ragini Singh	Demo Glucose tolerance test Dr. Ragini Singh	Seminar and case Small Group Teaching- Concept of Biomarkers and their interpretation with clinical cases (Dr. Deepak Parchwani and Dr. Amit Sonagra)	Lunch	Practical Periodic Test I (All Faculties)		
15	20-12-2023	3-Wednesday	Biochemistry Lecture Clinical Enzymology Dr. Ragini Singh	Physiology Lecture Integrative 1 Exercise Physiology 1 Dr. Vinay Chitturi	Back of Thigh Dr. Rohin		Lunch	Demo: Patella / DH		
15	21-12-2023	4-Thursday	Physiology Lecture Respiratory 11 Physiological Changes at High altitude Dr. Gaurav Sharma	Popliteal Fossa Dr. Neha	Hip Joint (Integration with Ortho.) Dr. Pradip		Lunch	DH		
15	22-12-2023	5-Friday	ECG case base learning -2 Dr. Vinay Chitturi		Physiology Practical 11.RS Examination 12.CVS Examination 1		Lunch	Physiology Practical 1.CVS Examination 12.RS Examination 1		
15	23-12-2023	6-Saturday	Biochemistry Lecture Biological Oxidation	Physiology Lecture Respiratory 12	Physiology Lecture Integrative 2	Brain - Computer interface Dr. Lalit	Lunch			

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			Dr. Anita Motiani	Hypoxia, Cynosis and Oxygen therapy Dr. Gaurav Sharma	Exercise Physiology 1 Dr. Vinay Chitturi					
15	24-12-2023	7-Sunday					Lunch			
16	25-12-2023	1- Monday	Holiday				Lunch			
16	26-12-2023	2-Tuesday	Biochemistry Lecture Electron Transport Chain Dr. Anita Motiani	Biochemistry Lecture Electron Transport Chain Dr. Anita Motiani	Demo-Estimation of S. Total protein (Dr. Amit Sonagra)	Integrated teaching (Vertical): Hemoglobinopathies	Lunch	Estimation of S. Total protein (Dr. Amit Sonagra and Dr. Ragini Singh)	Techniques for protein purification-Basics (Dr. Ragini Singh)	
16	27-12-2023	3-Wednesday	Biochemistry Lecture Diabetes Mellitus and its Complication Dr. Sagar Dholariya	Physiology Lecture Respiratory 13 Hazards of Deep Sea Diving and increased barometric pressure Dr. Gaurav Sharma	Knee joint (Integration with Ortho.) - Dr Sundip		Lunch	DH		
16	28-12-2023	4-Thursday	Physiology Lecture Respiratory 14 Respiration in abnormal conditions and Abnormal respirations Dr. Gaurav Sharma	Front of Leg & Dorsum of Foot Dr. Lalit	Back of leg and lateral compartment of leg Dr. Rohin		Lunch	Demo : Fibula/DH		
16	29-12-2023	5-Friday	CVS Physiology PCT (16.12.2023) feedback + Quiz - CVS Dr Vinay Chitturi Dr. Pradip Barde		Physiology Practical 1.RS Examination 2 2.CVS Examination 2		Lunch	Physiology Practical 1.CVS Examination 2 2.RS Examination 2		
16	30-12-2023	6-Saturday	Biochemistry Lecture Liver Function Tests Dr. Sagar Dholariya	Physiology Lecture Respiratory 15 Pulmonary Function Tests Dr. Gaurav Sharma	Physiology Revision Lecture	SGD -Bones	Lunch			
16	31-12-2023	7-Sunday					Lunch			



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