N.C. MEDICAL COLLEGE & HOSPITAL
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Competency based Time-Table for Batch (2023-24)according to NMC

Time Table

Ist Professional, MBBS Batch 2023-24,(First semester) Anatomy, Biochemistry, Physiology & Community Medicine

Days / Time	8 am – 9am	9 am -10am	10am-11am	11am -1 pm Practical	1 pm –2 pm	2 pm -4 pm
Monday	***AETCOM**	Physiology Lecture	Anatomy Lecture	Anatomy - A Physiology - B Biochemistry- C	LUNCH BREAK	Anatomy D-Hall
Tuesday	Physiology Lecture	Biochemistry Lecture	Anatomy Lecture	Anatomy - B Physiology - C Biochemistry- A		Anatomy D-Hall
Wednesday	Community Medicine	Anatomy Lecture	Physiology Lecture	Anatomy - C Physiology - A Biochemistry- B		Anatomy D-Hall
Thursday	Biochemistry Lecture	Anatomy Lecture	Physiology Lecture	Anatomy - A Physiology - B Biochemistry- C		Anatomy D-Hall
Friday	Anatomy Lecture	Physiology Lecture	Biochemistry Lecture	Anatomy - B Physiology - C Biochemistry- A		Physiology Tutorial
Saturday	**Sports/YOGA**	Formative Assessment & Term Exam	****Family Adoption Programme / SDL/ECE/Seminar**			Anatomy - C Physiology - A Biochemistry- B

Foundation Course for MBBS students (2023– 24 Batch) August 2023
Venue: LT-1

New MBBS Batch 2023 to abide these Instructions:

- Maintain discipline, Punctuality and appropriate dress code.
- Mobile Phone is not allowed during teaching hours.

Time:	9:00-11:15	11:15-11:30	11:30-1:00	1:00-1:45	1:45-3:45	3:45-4:00	4:00-5:00
01-09-2023 (Fri)	Welcome, Introduction & Ice Braking (Dr Nivedita Pandey)	Break	Hospital (OPD,IPD),college, campus and hostel round Group A:Anatomy Group B: Physiology Group C:Biochemistry (Dr Sonu Tyagi, Dr Ashish Malik) (Dr Shweta, Dr Harminder) (Dr Veena Chaudhary, Dr Rakesh Kumar)	Lunch-Break	Student Issues & Solutions (Dr Sachin Chauhan) (Dr Reenu)	Break	Medical Profession with focus on hospital Introduction (Dr Gauri Shankar Goel)

Time	9:00-10:00	10:00-11:15	11:15:1130	11:30-12:15	12:15-1:00	1:00-1:45	1:45-2:45	2:45-3:45	3:45-4:00	4:00-5:00
02-09-2023 (Sat)	SC & NMC guidelines:Ragging Issues(FC 1.4) (Dr Diwan Singh Bhullar)	Hostel Rules (FC 1.4) (Dr Nivedita Pandey)	Break	Medical etiquettes And Officer Like Qualities (Dr Isha Gupta)	Why to be a Doctor Student's view(FC 1.2) (Dr Seema) (Dr Rajesh)	Lunch-Break	Doctor as a team leader (Dr S S aggarwal)	Primary Health care (Dr Himani)	Break	Adult Learning Principles (Dr BK Guptai)
	9:10:00	10:00-11:15	11:15:1130	11:30-1:00						
03-09-2023	**SUNDAY**									
04-09-2023(Mon)	FC 1.1 Demonstrate understanding of the role of doctors in the society and their impact.Domain-A,KH. (Dr P.S. Ghalaut)	Group Dynamics & Team work (Dr Veena Ghalaut)	Break	Experience as a Doctor Panel discussion (Dr Nazir Ahmed Pundit) (Dr Mridul Ptundit Rao) (Dr Dr Suresh Kumar Bhatia)		Lunch-Break	Sexual Harassment of Gender & sensitization (Dr Deergha)	FC 1.10 Demonstrate awareness of the History of Medicine and alternate systems of Medicine.Domain-K,K. (Dr Mehar Singh Punia)	Break	Disability: Medical & Social Aspects(FC 1.8)Domain – K,KH (Dr Sudeep)
05-09-2023(Tues)	Log Book & Reflections (Dr Nivedita Pandey)	Patient as a teacher (Dr Harminder)	Break	Eye donation (Dr B.K.Gupta)		Lunch-Break	Blood Donation (Dr shikha)	Skill Lab (Dr Seema)	Break	FC 1.7 Demonstrate understanding of the overview of MBBS curriculum, its

									structure and outcomes and its relation to the career pathways. Domain K,KH. (Dr Sonu Tyagi)
06-09-2023(WED)	**HOLIDAY**								
07-09-2023(Thur)	Skills of Time Management (Dr Sushma sood)	FC 1.9 Discuss the principles of family practice. Domain K,KH. (Dr Satish Aggarwal) (Dr Rajesh)	Break	Panel Discussion: Violence against Doctors (Dr Sudeep) (Dr Rakesh) (Dr Shweta)	Lunch-Break	CPA Unethical behavior & unprofessionalism (Dr Pahula) (Dr Neha)	Body Donation (Dr Nivedita) (Dr Sonu)	Break	Using Online Resources (Dr Reenu)
08-09-2023(Fri)	Patient Safety, Making health care safer (Dr Veena Chaudhary) (Dr Suchira)	Doctor as Researcher & ICMR-STS (Dr Gurcharan Singh) (Dr Nidhi)	Break	Doctor Patient Relationship (Dr Nivedita Pandey) (Dr Sachin)	Lunch	Interpersonal Relationship (Dr Ashish Malik)	Mentorship Programme (Dr Veena Ghalaut)	Break	Study Skills (Dr Sushma Sood)
09-09-23(Sat)	Doctor as an Economist & manager (Dr Jasdeep Singh Monga) (Dr Parveen Chandna)	Concepts of Generic medicines, AMRIT,Jan Aushadhi,EML (Dr OP Dhania) (Dr Poonam)	Break	Communication Skills in Medicine (Dr Raminder Sandhu)	Lunch	Art & Science of History taking (Dr Yogesh Kumar Dhandh)	How to handle stress (Dr Ashish Malik)	Break	FC 1.5 Orient themselves to the college campus, facilities, faculty, administrative structure, support systems and processes of the institution.Domain -A,AH (Dr Nivedita Pandey) (Dr Reenu)
10-09-23	**SUNDAY**								
11-09-23(Mon)	Yoga & Healthy Life style (Dr Reenu) (Dr Rajesh)	Inauguration of Foundation Course by Principal followed by Charak Sapath ,white coat ceremony.Overview of MBBS Course(Ant,Physio,Bio,Patho, Micro,Pharma,SPM,FMT,Gen. Med.,Gen. Sur.,OBG,Paedia)			Lunch	Importance of Reporting & Documentation , Feedback,Refferal (Dr Naseer Ahmad Pundit)	Role Play (Dr Shikha) (Dr Sachin)	Break	The Art & Science of Nursing care-Nursing (Mr Dhillon) Nursing Supdt.
12-09-23(Tues)	FC 3.1 Demonstrate understanding of the National Health Goals and Policies. Domain-K,KH (Dr Satish Aggarwal)	FC 2.1 Perform Basic Life support in Skills lab ,Domain-S,SH . (Dr Seema)		FC 4.1 Demonstrate understanding of the concept of Professionalism and ethics among health care professionals and discuss the consequences of unprofessional and unethical behavior. Domain-S, KH . (Dr Sushma Sood)	Lunch	FC 5.1 Demonstrate ability to communicate with patient and families, be aware of barriers to communication and appropriate ways to respond. Domain-C,SH. (Dr Nivedita Pandey)		Break	FC 6 Sports (Dr Deergha)

Time							(2PM-4PM)			(4PM-5PM)
Day	Date	(8AM-9AM)	(9-10 AM)	(10-11 PM)	(11-1PM)	(1-2PM) Lunch Break	Anatomy Practical Histology/Osteology	Physiology Practical	Biochemistry Practical	**FOUNDATION COURSE**
Wednesday	13/9/23	CM 1.1: Define and describe the concept of public health	AN1.1 Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body	PY1.2 Describe and discuss the principles of homeostasis	AN1.1 Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body		AN1.1 Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body	Batch A Introduction to Practicals	Batch B Lab safety : Rules to follow	**Foundation Course**
Thursday	14/9/23	BI 1.1 Describe the molecular and functional organization of a cell and its subcellular components.	AN65.1 Identify epithelium under the microscope & describe the various types that correlate to its function	PY1.1 Describe the structure and functions of a mammalian cell	CM:1.9: Demonstrate the role of effective communication skills in health in a simulated environment.		AN65.1 Identify epithelium under the microscope & describe the various types that correlate to its function	Batch B Introduction to Practicals	Batch C Lab safety BI 11.1Describe commonly used laboratory apparatus and equipments, good safe	**Foundation Course**

									laboratory practice and waste disposal.	
Friday	15/9/23	AN1.2 Describe composition of bone and bone marrow AN2.1 Describe parts, blood and nerve supply of a long bone AN2.2 Enumerate laws of ossification AN2.3 Enumerate special features of a sesamoid bone VERTICAL integration ORTHO	PY1.3 Describe intercellular communication	BI2.1: Explain fundamental concepts of enzyme, isoenzyme, alloenzyme, coenzyme & co-factors. Enumerate the main classes of IUBMB nomenclature	**Small Group Discussion (General Physiology)**		AN65.1 Identify epithelium under the microscope & describe the various types that correlate to its function	Batch C Introduction to Practicals	Batch A Lab safety BI 11.1 Describe commonly used laboratory apparatus and equipments, good safe laboratory practice and waste disposal.	**Foundation Course**
Saturday	16/9/23	**SPORTS /YOGA**	PY1.4 Describe apoptosis – programmed cell death Vertical Integration:Pathology	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			AN65.1 Identify epithelium under the microscope & describe the various types that correlate to its function	Batch A Study of Microscope	Batch B Lab safety rules BI 11.1 Describe commonly used laboratory apparatus and equipments, good safe laboratory practice and waste disposal.	**Foundation Course**
Sunday	17/9/23	**Foundation Course**								

Monday	18/9/23	PY1.5 Describe and discuss transport mechanisms across cell membranes	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN65.2 Describe the ultrastructure of epithelium	AN1.2 Describe composition of bone and bone marrow AN2.1 Describe parts, blood and nerve supply of a long bone AN2.2 Enumerate laws of ossification AN2.3 Enumerate special features of a sesamoid bone VERTICAL integration ORTHO		AN65.2 Describe the ultrastructure of epithelium	Batch B Study of Microscope	Batch C BI 11.2 Describe the preparation of buffers and estimation of pH.	**Foundation Course**
Tuesday	19/9/23	PY2.3 Describe and discuss the synthesis and functions of Haemoglobin and explain its breakdown. Describe variants of haemoglobin	BI6.11 Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin metabolism. Vertical Integration :Gen. Med. & Pathology	AN7.1 Describe general plan of nervous system with components of central, peripheral & autonomic nervous systems AN7.4 Describe structure of a typical spinal nerve AN7.8 Describe differences between sympathetic and spinal ganglia	AN7.1 Describe general plan of nervous system with components of central, peripheral & autonomic nervous systems AN7.4 Describe structure of a typical spinal nerve AN7.8 Describe differences between sympathetic and spinal ganglia		AN5.1 Differentiate between blood vascular and lymphatic system AN5.2 Differentiate between pulmonary and systemic circulation AN5.3 List general differences between arteries & veins AN5.4 Explain functional difference between elastic, muscular arteries and Arterioles AN5.5 Describe portal system giving examples	Batch C PY 2.11: Total leukocyte Count	Batch A BI 11.4 Perform urine analysis to estimate and determine normal and abnormal constituents	**Foundation Course**

							Horizontal integration – Physiology Vertical Integration- General Medicine, Pathology			
Wednesday	20/9/23	CM 1.2: Define health ,Describe the concept of holistic health including concept of spiritual health and relativenesss and determinants of health.	AN2.2 Enumerate laws of ossification AN2.3 Enumerate special features of a sesamoid bone	PY2.1 Describe the composition and functions of blood components	AN1.2 Describe composition of bone and bone marrow AN2.1 Describe parts, blood and nerve supply of a long bone AN2.2 Enumerate laws of ossification AN2.3 Enumerate special features of a sesamoid bone VERTICAL integration ORTHO		AN65.2 Describe the ultrastructure of epithelium	Batch A PY 2.11:Estimation of Haemoglobin	Batch B BI 11.2 Describe the preparation of buffers and estimation of pH.	**Foundation Course**
Thursday	21/9/23	BI2.4 Describe and discuss enzyme inhibitors as poisons and drugs and as therapeutic enzymes Vertical Integration- Gen. Med. BI2.5 Describe and discuss the clinical utility of various serum enzymes as markers of pathological conditions. Vertical Integration- Gen. Med.	AN66.1 Describe & identify various types of connective tissue with functional Correlation AN66.2 Describe the ultrastructure of connective tissue Horizontal integration – Physiology Vertical Integration- Pathology	PY1.8 Describe and discuss the molecular basis of resting membrane potential and action potential in excitable tissue	CM:1.9: Demonstrate the role of effective communication skills in health in a simulated environment.		AN66.1 Describe & identify various types of connective tissue with functional Correlation AN66.2 Describe the ultrastructure of connective tissue Horizontal integration – Physiology Vertical Integration- Pathology	Batch B PY 2.11:Estimation of Haemoglobin	Batch C Describe the chemical components of normal urine.	**Foundation Course**

Friday	22/9/23	AN6.1 List the components and functions of the lymphatic system AN6.2 Describe structure of lymph capillaries & mechanism of lymph circulation AN6.3 Explain the concept of lymphoedema and spread of tumors via lymphatics and venous system General Surgery	PY1.9 Demonstrate the ability to describe and discuss the methods used to demonstrate the functions of the cells and its products, its communications and their applications in Clinical care and research.	BI2.6 Discuss use of enzymes in laboratory investigations (Enzyme-based assays) Vertical Integration-Gen. Med. BI2.7 Interpret laboratory results of enzyme activities & describe the clinical utility of various enzymes as markers of pathological conditions. Vertical Integration-Gen. Med.	Small Group Discussion(General Physiology)		AN66.1 Describe & identify various types of connective tissue with functional Correlation AN66.2 Describe the ultrastructure of connective tissue Horizontal integration – Physiology Vertical Integration-Pathology	Batch C PY 2.11:Estimation of Haemoglobin	Batch A BI 11.3 Describe the chemical components of normal urine.	**Foundation Course**
Saturday	23/9/23		PY2.3 Describe and discuss the synthesis and functions of Haemoglobin and explain its breakdown. Describe variants of haemoglobin	**SDL/ECE/Seminar (Anatomy,Physiology,Biochemistry)**			AN66.1 Describe & identify various types of connective tissue with functional Correlation AN66.2 Describe the ultrastructure of connective tissue Horizontal integration – Physiology Vertical Integration-Pathology	Batch A PY 2.11: Total leukocyte Count	Batch B BI 11.3 Describe the chemical components of normal urine.	**Foundation Course**
Sunday	24/9/23	**Foundation Course**								
Monday	25/9/23	PY2.4 Describe RBC formation (erythropoiesis	**AETCOM (Anatomy,Physiology,Bioche**	AN5.1 Differentiate between blood	AN5.1 Differentiate between blood vascular and		AN5.1 Differentiate between	Batch B PY 2.11: Total	Batch C BI 11.4 Perform	**Foundation Course**

		& its regulation) and its functions	**mistry)**	vascular and lymphatic system AN5.2 Differentiate between pulmonary and systemic circulation AN5.3 List general differences between arteries & veins AN5.4 Explain functional difference between elastic, muscular arteries and Arterioles AN5.5 Describe portal system giving examples AN5.6 Describe the concept of anastomoses and collateral circulation with significance of end-arteries AN5.7 Explain function of meta-arterioles, precapillary sphincters, arterio-venous anastomoses AN5.8 Define thrombosis, infarction & aneurysm Horizontal integration – Physiology Vertical	lymphatic system AN5.2 Differentiate between pulmonary and systemic circulation AN5.3 List general differences between arteries & veins AN5.4 Explain functional difference between elastic, muscular arteries and Arterioles AN5.5 Describe portal system giving examples AN5.6 Describe the concept of anastomoses and collateral circulation with significance of end-arteries AN5.7 Explain function of meta-arterioles, precapillary sphincters, arterio-venous anastomoses AN5.8 Define thrombosis, infarction & aneurysm Horizontal integration – Physiology Vertical Integration- General Medicine, Pathology		blood vascular and lymphatic system AN5.2 Differentiate between pulmonary and systemic circulation AN5.3 List general differences between arteries & veins AN5.4 Explain functional difference between elastic, muscular arteries and Arterioles AN5.5 Describe portal system giving examples AN5.6 Describe the concept of anastomoses and collateral circulation with significance of end-arteries AN5.7 Explain function of meta-arterioles, precapillary sphincters,	leukocyte Count	urine analysis to estimate and determine normal and abnormal constituents	

				Integration- General Medicine, Pathology			arterio- venous anastomoses AN5.8 Define thrombosis, infarction & aneurysm Horizontal integration – Physiology Vertical Integration- General Medicine, Pathology			
Tuesday	26/9/23	PY2.3 Describe and discuss the synthesis and functions of Haemoglobin and explain its breakdown. Describe variants of haemoglobin	BI6.11 Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin metabolism. Vertical Integration :Gen. Med. & Pathology	AN7.1 Describe general plan of nervous system with components of central, peripheral & autonomic nervous systems AN7.4 Describe structure of a typical spinal nerve AN7.8 Describe differences between sympathetic and spinal ganglia	AN7.1 Describe general plan of nervous system with components of central, peripheral & autonomic nervous systems AN7.4 Describe structure of a typical spinal nerve AN7.8 Describe differences between sympathetic and spinal ganglia		AN5.1 Differentiate between blood vascular and lymphatic system AN5.2 Differentiate between pulmonary and systemic circulation AN5.3 List general differences between arteries & veins AN5.4 Explain functional difference between elastic, muscular arteries and Arterioles AN5.5 Describe portal system	Batch C PY 2.11: Total leukocyte Count	Batch A BI 11.4 Perform urine analysis to estimate and determine normal and abnormal constituen ts	**Foundation Course**

							giving examples AN5.6 Describe the concept of anastomoses and collateral circulation with significance of end-arteries AN5.7 Explain function of meta-arterioles, precapillary sphincters, arterio-venous anastomoses AN5.8 Define thrombosis, infarction & aneurysm Horizontal integration – Physiology Vertical Integration- General Medicine, Pathology			
Wednesday	27/9/23	CM 1.7: Enumerate and describe health indicators	AN7.2 List components of nervous tissue and their functions AN7.3 Describe parts of a neuron and classify them based on number	PY3.1 Describe the structure and functions of a neuron and neuroglia; Discuss Nerve Growth Factor & other growth factors/cytokin	AN7.2 List components of nervous tissue and their functions AN7.3 Describe parts of a neuron and classify them based on number of neurites, size & function		AN5.1 Differentiate between blood vascular and lymphatic system AN5.2 Differentiate	Batch A PY 2.11: Total RBC Count	Batch B BI 11.4 Perform urine analysis to estimate and determine normal	**Foundation Course**

			of neurites, size & function AN7.5 Describe principles of sensory and motor innervation of muscles AN7.6 Describe concept of loss of innervation of a muscle with its applied anatomy AN7.7 Describe various type of synapse AN68.2 Describe the structure-function correlation of neuron Horizontal integration – Physiology Vertical Integration-General Medicine,	es	AN7.5 Describe principles of sensory and motor innervation of muscles AN7.6 Describe concept of loss of innervation of a muscle with its applied anatomy AN7.7 Describe various type of synapse AN68.2 Describe the structure-function correlation of neuron Horizontal integration – Physiology Vertical Integration-General Medicine,		between pulmonary and systemic circulation AN5.3 List general differences between arteries & veins AN5.4 Explain functional difference between elastic, muscular arteries and Arterioles AN5.5 Describe portal system giving examples AN5.6 Describe the concept of anastomoses and collateral circulation with significance of end-arteries AN5.7 Explain function of meta-arterioles, precapillary sphincters, arterio-venous anastomoses AN5.8 Define thrombosis, infarction &		and abnormal constituents	

							aneurysm Horizontal integration – Physiology Vertical Integration- General Medicine, Pathology			
Thursday	28/9/23	BI6.11 Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin metabolism. Vertical Integration :Gen. Med. & Pathology	AN68.1 Describe & Identify multipolar & unipolar neuron, ganglia, peripheral nerve AN68.3 Describe the ultrastructure of nervous tissue	PY2.5 Describe different types of anaemias & Jaundice Vertical Integration:Pathology	CM:1.9: Demonstrate the role of effective communication skills in health in a simulated environment.		AN68.1 Describe & Identify multipolar & unipolar neuron, ganglia, peripheral nerve AN68.3 Describe the ultrastructure of nervous tissue	Batch B PY 2.11: Total RBC Count	Batch C BI 11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography	**Foundation Course**
Friday	29/9/23	AN6.1 List the components and functions of the lymphatic system AN6.2 Describe structure of lymph capillaries & mechanism of lymph circulation AN6.3 Explain the concept of lymphoedema and spread of tumors via lymphatics	PY1.9 Demonstrate the ability to describe and discuss the methods used to demonstrate the functions of the cells and its products, its communications and their applications in Clinical care and research.	BI2.6 Discuss use of enzymes in laboratory investigations (Enzyme-based assays) Vertical Integration-Gen. Med. BI2.7 Interpret laboratory results of enzyme activities & describe the clinical utility of various enzymes as markers of pathological conditions.	Small Group Discussion(General Physiology)		AN66.1 Describe & identify various types of connective tissue with functional Correlation AN66.2 Describe the ultrastructure of connective tissue Horizontal integration – Physiology Vertical Integration- Pathology	Batch C PY 2.11:Estimation of Haemoglobin	Batch A BI 11.3 Describe the chemical components of normal urine.	

		and venous system General Surgery		Vertical Integration- Gen. Med.						
Saturday	30/9/23		PY3.2 Describe the types, functions & properties of nerve fibers	**SDL/ECE/Seminar (Anatomy,Physiology,Biochemistry)**			AN68.1 Describe & Identify multipolar & unipolar neuron, ganglia, peripheral nerve AN68.3 Describe the ultrastructure of nervous tissue	Batch A PY 2.11: Total RBC Count	Batch B BI 11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography	**Foundation Course**
Sunday	1/10/23	**Foundation Course**								
Monday	2/10/23	HOLIDAY								
Tuesday	3/10/23	PY2.5 Describe different types of anaemias & Jaundice Vertical Integration:Pathology	BI6.12 Describe the major types of haemoglobin and its derivatives found in the body and their physiological/ pathological relevance. Vertical Integration :Gen. Med. & Pathology	AN4.1 Describe different types of skin & dermatomes in body AN4.2 Describe structure & function of skin with its appendages AN4.3 Describe superficial fascia along with fat distribution in body AN4.4 Describe modifications of deep fascia with its functions AN4.5 Explain principles of skin incisions Vertical Integration-	AN4.1 Describe different types of skin & dermatomes in body AN4.2 Describe structure & function of skin with its appendages AN4.3 Describe superficial fascia along with fat distribution in body AN4.4 Describe modifications of deep fascia with its functions AN4.5 Explain principles of skin incisions Vertical Integration- Dermatology Venereology & Leprosy		AN71.2 Identify cartilage under the microscope & describe various types and structure-function correlation of the same Vertical Integration- Pathology	Batch C PY 2.11: Total RBC Count	Batch A BI 11.6 Describe the principles of colorimetry BI 11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography	**Foundation Course**

				Dermatology Venereology & Leprosy						
Wednesday	4/10/23	HOLIDAY								
Thursday	5/10/23	BI6.12 Describe the major types of haemoglobin and its derivatives found in the body and their physiological/ pathological relevance. Vertical Integration :Gen. Med. & Pathology	AN71.1 Identify bone under the microscope; classify various types and describe the structure-function correlation of the same Vertical Integration-Pathology	PY3.4 Describe the structure of neuro-muscular junction and transmission of impulses Vertical Integration:Anaesthesia	CM:1.10: Demonstrate the important aspects of doctor patient relationship in a simulated environment.		AN71.1 Identify bone under the microscope; classify various types and describe the structure-function correlation of the same Vertical Integration-Pathology	Batch B PY 2.12: Estimation of ESR & PCV	Batch C BI 11.7 Demonstrate the estimation of serum creatinine and creatinine clearance	**Foundation Course**
Friday	6/10/23	AN15.1 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh	PY2.2 Discuss the origin, forms, variations and functions of plasma proteins	BI5.1 Describe and discuss structural organization of proteins.	Small Group Discussion (Structure , Functions , Properties of nerve fibers)		AN71.1 Identify bone under the microscope; classify various types and describe the structure-function correlation of the same Vertical Integration-Pathology	Batch C PY 2.12: Estimation of ESR & PCV	Batch A BI 11.7 Demonstrate the estimation of serum creatinine and creatinine clearance	**Foundation Course**
Saturday	7/10/23		PY3.5 Discuss the action of neuro-muscular blocking agents Vertical Integration: Pharmacology	**SDL/ECE/Seminar (Anatomy,Physiology,Biochemistry)**			AN71.1 Identify bone under the microscope; classify various types and describe the structure-function correlation of the same	Batch A PY 2.12: Estimation of ESR & PCV	Batch B BI 11.7 Demonstrate the estimation of serum creatinine and creatinine clearance BI 11.6	**Foundation Course**

						Vertical Integration-Pathology AN71.2 Identify cartilage under the microscope & describe various types and structure-function correlation of the same Vertical Integration-Pathology		Describe the principles of colorimetry	
Sunday	8/10/23	**Foundation Course**								
Monday	9/10/23	PY3.6 Describe the pathophysiology of Myasthenia gravis	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN67.1 Describe & identify various types of muscle under the microscope AN67.2 Classify muscle and describe the structure-function correlation of the same, AN67.3 Describe the ultrastructure of muscular tissue	AN15.1 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh		AN67.1 Describe & identify various types of muscle under the microscope AN67.2 Classify muscle and describe the structure-function correlation of the same, AN67.3 Describe the ultrastructure of muscular tissue	Batch B PY 2.12: To study Osmotic Fragility of RBC	Batch C BI 11.8 Demonstrate estimation of serum proteins, albumin and A:G ratio	**Foundation Course**

Tuesday	10/10/23	PY3.7 Describe the different types of muscle fibres and their structure	BI5.1 Describe and discuss structural organization of proteins.	AN3.1 Classify muscle tissue according to structure & action Physiology AN3.2 Enumerate parts of skeletal muscle and differentiate between tendons and aponeuroses with examples AN3.3 Explain Shunt and spurt muscles AN67.2 Classify muscle and describe the structure-function correlation of the same,	Hip Bone AN14.1 Identify the given bone, its side, important features & keep it in anatomical Position AN14.2 Identify & describe joints formed by the given bone Vertical Integration- FMT		AN67.1 Describe & identify various types of muscle under the microscope AN67.2 Classify muscle and describe the structure-function correlation of the same, AN67.3 Describe the ultrastructure of muscular tissue	Batch C PY 2.12: To study Osmotic Fragility of RBC	Batch A BI 11.8 Demonstrate estimation of serum proteins, albumin and A:G ratio	**Foundation Course**
Wednesday	11/10/23	**HOLIDAY**								
Thursday	12/10/23	BI5.2 Describe and discuss functions of proteins and structure-function relationships in relevant areas eg, hemoglobin and selected hemoglobinopathies Vertical Integration General medicine	AN15.3 Describe and demonstrate boundaries, floor, roof and contents of femoral Triangle AN15.4 Explain anatomical basis of Psoas abscess & Femoral hernia Vertical Integration- General Surgery	Describe the formation of platelets, functions and variations.	CM1.8 Describe the Demographic profile of India and discuss its impact on health		BATCH_a Femur AN14.1 Identify the given bone, its side, important features & keep it in anatomical Position AN14.2 Identify & describe joints formed by the given bone Vertical Integration- FMT	Batch B PY 2.11: PBF formation & Identification of different WBC's	Batch C BI 11.9 Demonstrate the estimation of serum total cholesterol and HDLcholesterol	**Foundation Course**
Friday	13/10/23	AN15.5 Describe and demonstrate adductor canal	PY2.8 Describe the physiological basis of hemostasis and, anticoagulants.	BI5.4 Describe common disorders	Small Group Discussion (WBC & Platelets)		BATCH_b Femur AN14.1 Identify the	Batch C PY 2.11: PBF formation &	Batch A BI 11.9 Demonstrate the	**Foundation Course**

		with its content Vertical Integration-General Surgery	Describe bleeding & clotting disorders (Hemophilia, purpura)	associated with protein metabolism			given bone, its side, important features & keep it in anatomical Position AN14.2 Identify & describe joints formed by the given bone Vertical Integration-FMT	Identification of different WBC's	estimation of serum total cholesterol and HDLcholesterol	
Saturday	14/10/23		PY2.8 Describe the physiological basis of hemostasis and, anticoagulants. Describe bleeding & clotting disorders (Hemophilia, purpura)	**SDL/ECE/Seminar (Anatomy,Physiology ,Biochemistry)**			BATCH_c Femur AN14.1 Identify the given bone, its side, important features & keep it in anatomical Position AN14.2 Identify & describe joints formed by the given bone Vertical Integration-FMT	Batch A PY 2.11: PBF formation & Identification of different WBC's	Batch B BI 11.9 Demonstrate the estimation of serum total cholesterol and HDLcholesterol	**Foundation Course**
Sunday	15/10/23	**Foundation Course**								
Monday	16/10/23	PY3.8 Describe action potential and its properties in different muscle types (skeletal & smooth)	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN16.1 Describe and demonstrate origin, course, relations, branches	AN16.1 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of gluteal region AN16.2 Describe anatomical basis of		BATCH-c fibula AN14.1 Identify the given bone, its side, important features & keep it in	Batch B PY 2.11: Estimation of DLC	Batch C BI 11.10 Demonstrate the estimation of Triglycerides	**Foundation Course**

				(or tributaries), termination of important nerves and vessels of gluteal region AN16.2 Describe anatomical basis of sciatic nerve injury during gluteal intramuscular injections AN16.3 Explain the anatomical basis of Trendelenburg sign Vertical Integration-General Surgery	sciatic nerve injury during gluteal intramuscular injections AN16.3 Explain the anatomical basis of Trendelenburg sign Vertical Integration-General Surgery		anatomical position AN14.2 Identify & describe joints formed by the given			
Tuesday	17/10/23	PY3.9 Describe the molecular basis of muscle contraction in skeletal and in smooth muscles	BI6.6 Describe the biochemical processes involved in generation of energy in cells	AN16.4 Describe and demonstrate the hamstrings group of	AN16.4 Describe and demonstrate the hamstrings group of muscles with their attachment, nerve supply and actions		BATCH-c fibula AN14.1 Identify the given bone, its side, important features &	Batch C PY 2.11: Estimation of DLC	Batch A BI 11.10 Demonstrate the estimation of Triglycerides	**Foundation Course**

				muscles with their attachment, nerve supply and actions			keep it in anatomical position AN14.2 Identify & describe joints formed by the given			
Wednesday	18/10/23	CM1.4 Describe and discuss the natural history of disease	AN17.1 Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the hip joint AN17.2 Describe anatomical basis of complications of fracture neck of femur AN17.3 Describe dislocation of hip joint and surgical hip replacement	PY3.10 Describe the mode of muscle contraction (isometric and isotonic)	AN17.1 Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the hip joint AN17.2 Describe anatomical basis of complications of fracture neck of femur AN17.3 Describe dislocation of hip joint and surgical hip replacement		BATCH-c fibula AN14.1 Identify the given bone, its side, important features & keep it in anatomical position AN14.2 Identify & describe joints formed by the given	Batch A PY 2.11: Estimation of DLC	Batch B BI 11.10 Demonstrate the estimation of Triglycerides	**Foundation Course**
Thursday	19/10/23	BI6.6 Describe the biochemical processes involved in generation of energy in cells	AN16.6 Describe and demonstrate the boundaries, roof, floor, contents and relations of popliteal fossa	PY3.11 Explain energy source and muscle metabolism	CM2.1 Describe the steps and perform clinico socio-cultural and demographic assessment of the individual, family and community		Knee joint AN18.4 Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply,	Batch B PY 2.11:Estimation of Arneth Count	Batch C BI 11.11 Demonstrate estimation of calcium and phosphorous	**Foundation Course**

							bursae around the knee joint AN18.5 Explain the anatomical basis of locking and unlocking of the knee AN18.6 Describe knee joint injuries with its applied Orthopedics AN18.7 Explain anatomical basis of Osteoarthritis			
Friday	20/10/23	Knee joint AN18.4 Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the knee joint AN18.5 Explain the anatomical basis of locking and unlocking of the knee AN18.6	PY2.9 Describe different blood groups and discuss the clinical importance of blood grouping, blood banking and transfusion Vertical Integration Pathology	BI6.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency	Small Group Discussion (Action Potential in Skeletal muscle & molecular basis of contraction in skeletal and smooth muscles)		Knee joint AN18.4 Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the knee joint AN18.5 Explain the anatomical basis of	Batch C PY 2.11:Estimation of Arneth Count	Batch A BI 11.11 Demonstrate estimation of calcium and phosphorous	**Foundation Course**

		Describe knee joint injuries with its applied Orthopedics Vertical Integration: Orthopedics AN18.7 Explain anatomical basis of Osteoarthritis Vertical Integration: Orthopedics					locking and unlocking of the knee AN18.6 Describe knee joint injuries with its applied Orthopedics AN18.7 Explain anatomical basis of Osteoarthritis			
Saturday	21/10/23		PY2.10 Define and classify different types of immunity. Describe the development of immunity and its regulation	**SDL/ECE/Seminar (Anatomy,Physiology,Biochemistry)**			Knee joint AN18.4 Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the knee joint AN18.5 Explain the anatomical basis of locking and unlocking of the knee AN18.6 Describe	Batch A PY 2.11:Estimation of Arneth Count	Batch B BI 11.11 Demonstrate estimation of calcium and phosphorous	**Foundation Course**

							knee joint injuries with its applied Orthopedics AN18.7 Explain anatomical basis of Osteoarthritis			
Sunday	22/10/23	**Foundation Course**								
Monday	23/10/23	PY3.12 Explain the gradation of muscular activity Vertical Integration: Gen. Med.	**AETCOM (Anatomy,Physiology,Biochemistry)**	Front of leg AN18.1 Describe and demonstrate major muscles of anterolateral compartment of leg with their attachment, nerve supply and actions AN18.2 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important	AN16.6 Describe and demonstrate the boundaries, roof, floor, contents and relations of popliteal fossa		tibia AN14.1 Identify the given bone, its side, important features & keep it in anatomical position AN14.2 Identify & describe joints formed by the given AN14.3 Describe the importance of ossification of upper end of tibia	Batch B PY 2.11:Estimation of BT/CT	Batch C BI 11.12 Demonstrate the estimation of serum bilirubin	**Foundation Course**

				nerves and vessels of anterior compartment of leg AN18.3 Explain the anatomical basis of foot drop Vertical Integration: General Surgery						
Tuesday	24/10/23	HOLIDAY								
Wednesday	25/10/23	CM1.4 Describe and discuss the natural history of disease	Muscle histology AN67.1 Describe & identify various types of muscle under the microscope AN67.2 Classify muscle and describe the structure-function correlation of the Same Physiology Vertical Integration: Physiology AN67.3 Describe the ultrastructure of muscular tissue	PY4.1 Describe the structure and functions of digestive system	AN14.4 Identify and name various bones in the articulated foot with individual muscle attachment AN20.2 Describe the subtalar and transverse tarsal joints		tibia AN14.1 Identify the given bone, its side, important features & keep it in anatomical position AN14.2 Identify & describe joints formed by the given AN14.3 Describe the importance of ossification of upper end of tibia	Batch A PY 2.11: Estimation of BT/CT	Batch B BI 11.12 Demonstrate the estimation of serum bilirubin	**Foundation Course**
Thursday	26/10/23	Arches of foot	PY4.2 Describe	BI5.3 Describe	Small Group		Muscle	Batch C	Batch A	**Foundation**

		AN19.5 Describe factors maintaining importance arches of the foot with its importance AN19.6 Explain the anatomical basis of Flat foot & Club foot Orthopedics Vertical Integration: Orthopedics AN19.7 Explain the anatomical basis of Metatarsalgia & Plantar fasciitis Vertical Integration: Orthopedics	the composition, mechanism of secretion, functions, and regulation of saliva, gastric, pancreatic, intestinal juices and bile secretion	the digestion and absorption of dietary proteins Vertical Integration:Paediatrics	Discussion (Haemostasis & Blood Groups)		histology AN67.1 Describe & identify various types of muscle under the microscope AN67.2 Classify muscle and describe the structure-function correlation of the same Physiology AN67.3 Describe the ultrastructure of muscular tissue	PY 2.11: Determination of Blood Groups	BI 11.13 Demonstrate the estimation of SGOT/ SGPT	**Course**
Friday	27/10/23	Arches of foot AN19.5 Describe factors maintaining importance arches of the foot with its importance AN19.6 Explain the anatomical basis of Flat foot & Club foot Orthopedics	PY4.2 Describe the composition, mechanism of secretion, functions, and regulation of saliva, gastric, pancreatic, intestinal juices and bile secretion	BI5.3 Describe the digestion and absorption of dietary proteins Vertical Integration:Paediatrics	Small Group Discussion (Haemostasis & Blood Groups)		Muscle histology AN67.1 Describe & identify various types of muscle under the microscope AN67.2 Classify muscle and describe the structure-function	Batch C PY 2.11: Determination of Blood Groups	Batch A BI 11.13 Demonstrate the estimation of SGOT/ SGPT	**Foundation Course**

		Vertical Integration: Orthopedics AN19.7 Explain the anatomical basis of Metatarsalgia & Plantar fasciitis Vertical Integration: Orthopedics					correlation of the same Physiology AN67.3 Describe the ultrastructure of muscular tissue				
Saturday	28/10/23	HOLIDAY										
Sunday	29/10/23	**HOLIDAY**										
Monday	30/10/23	PY5.1 Describe the functional anatomy of heart including chambers, sounds; and Pacemaker tissue and conducting system	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN70.2 Identify the lymphoid tissue under the microscope & describe microanatomy of lymph node, spleen, thymus, tonsil and correlate the structure with function Vertical Integration: Pathology	AN20.6 Identify the bones and joints of lower limb seen in anteroposterior and lateral view radiographs of various regions of lower limb		Muscle histology AN67.1 Describe & identify various types of muscle under the microscope AN67.2 Classify muscle and describe the structure-function correlation of the same Physiology AN67.3 Describe the ultrastructure of muscular tissue AN70.2 Identify the lymphoid tissue under	Batch B PY 2.13: Determination of Platelets Count	Batch C BI 11.14 Demonstrate the estimation of alkaline phosphatase BI 11.13 Demonstrate the estimation of SGOT/ SGPT	**Foundation Course**

							the microscope & describe microanatomy of lymph node, spleen, thymus, tonsil and correlate the structure with function			
Tuesday	31/10/23	PY4.4 Describe the physiology of digestion and absorption of nutrients	BI5.3 Describe the digestion and absorption of dietary proteins Vertical Integration:Paediatrics BI5.4 Describe common disorders associated with protein metabolism	AN20.1 Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply of tibiofibular and ankle joint	AN20.7 Identify & demonstrate important bony landmarks of lower limb: -Vertebral levels of highest point of iliac crest, posterior superior iliac spines, iliac tubercle, pubic tubercle, ischial tuberosity, adductor tubercle, -Tibial tuberosity, head of fibula, -Medial and lateral malleoli, Condyles of femur and tibia, sustentaculum tali, tuberosity of fifth metatarsal, tuberosity of the navicular		AN70.2 Identify the lymphoid tissue under the microscope & describe microanatomy of lymph node, spleen, thymus, tonsil and correlate the structure with function	Batch C PY 2.13: Determination of Platelets Count	Batch A BI 11.14 Demonstrate the estimation of alkaline phosphatase	**Foundation Course**
Wednesday	1/11/23	CM1.5 Describe the application of interventions at various levels of prevention	AN20.3 Describe and demonstrate Fascia lata, Venous drainage, Lymphatic drainage, Retinacula &	PY5.2 Describe the properties of cardiac	AN20.8 Identify & demonstrate palpation of femoral, popliteal, post tibial, anti tibial & dorsalis pedis blood		AN70.2 Identify the lymphoid tissue under the	Batch A PY 2.13: Determination of Platelets Count	Batch B BI 11.14 Demonstrate the estimation of alkaline	**Foundation Course**

			Dermatomes of lower limb AN20.4 Explain anatomical basis of enlarged inguinal lymph General Surgery Vertical Integration: General Surgery AN20.5 Explain anatomical basis of varicose veins and deep vein thrombosis Vertical Integration: General Surgery	muscle including its morphology, electrical, mechanical and metabolic functions	vessels in a simulated environment General Medicine AN20.9 Identify & demonstrate Palpation of vessels (femoral, popliteal,dorsalis pedis,post tibial), Mid inguinal point, Surface projection of: femoral nerve, Saphenous opening, Sciatic, tibial, common peroneal & deep peroneal nerve, Great and small saphenous veins		microscope & describe microanatomy of lymph node, spleen, thymus, tonsil and correlate the structure with function		phosphatase	
Thursday	2/11/23	BI5.4 Describe common disorders associated with protein metabolism BI5.5 Interpret laboratory results of analytes associated with metabolism of Proteins Vertical Integration:Gen. Med.	Batch=a AN69.1 Identify elastic & muscular blood vessels, capillaries under the microscope AN69.2 Describe the various types and structure-function correlation of blood Vessel Vertical Integration: Physiology AN69.3 Describe the ultrastructure of blood vessels	PY5.3 Discuss the events occurring during the cardiac cycle	CM2.1 Describe the steps and perform clinico socio-cultural and demographic assessment of the individual, family and community		Batch=a AN69.1 Identify elastic & muscular blood vessels, capillaries under the microscope AN69.2 Describe the various types and structure-function correlation of blood vessel Physiology AN69.3 Describe the ultrastructure of blood vessels	Batch B PY 2.11: Determination of Blood Groups	Batch C BI 11.15 Describe & discuss the composition of CSF	**Foundation Course**
Friday	3/11/23	AN77.1 Describe the uterine changes	PY5.4 Describe generation, conduction of cardiac impulse	BI5.4 Describe common	Small Group Discussion(Gastro		Batch=b AN69.1 Identify	Batch C PY 3.18 simple	Batch A BI 11.15 Describe &	**Foundation**

		occurring during the menstrual cycle Vertical Integration: Obstetrics & Gynaecology AN77.2 Describe the synchrony between the ovarian and menstrual cycles Vertical Integration: Obstetrics & Gynaecology AN77.3 Describe spermatogenesis and oogenesis along with diagrams Vertical Integration: Obstetrics & Gynaecology		disorders associated with protein metabolism BI5.5 Interpret laboratory results of analytes associated with metabolism of Proteins Vertical Integration:Gen. Med.	Intestinal secretion & motility		elastic & muscular blood vessels, capillaries under the microscope AN69.2 Describe the various types and structure-function correlation of blood vessel Physiology AN69.3 Describe the ultrastructure of blood vessels	muscle Twitch , Effect of Temperature on SMT,Effect of two successive stimuli , Effect of increasing strength of Stimuli	discuss the composition of CSF	**Course**
Saturday	4/11/23		PY4.5 Describe the source of GIT hormones, their regulation and functions	**SDL/ECE/Seminar (Anatomy,Physiology,Biochemistry)**			Batch=c AN69.1 Identify elastic & muscular blood vessels, capillaries under the microscope AN69.2 Describe the various types and structure-function correlation of blood	Batch A PY 3.18 simple muscle Twitch , Effect of Temperature on SMT,Effect of two successive stimuli , Effect of increasing strength of Stimuli on SMT	Batch B BI 11.15 Describe & discuss the composition of CSF	**Foundation Course**

						vessel Physiology AN69.3 Describe the ultrastructure of blood vessels			
Sunday	5/11/23	**Foundation Course**								
Monday	6/11/23	**HOLIDAY**								
Tuesday	7/11/23	PY5.5 Describe the physiology of electrocardiogram (E.C.G), its applications and the cardiac axis Vertical Integration:Gen. Med.	BI5.4 Describe common disorders associated with protein metabolism BI5.5 Interpret laboratory results of analytes associated with metabolism of Proteins Vertical Integration:Gen. Med.	AN10.1 Identify & describe boundaries and contents of axilla AN10.2 Identify, describe and demonstrate the origin, extent, course, parts, relations and branches of axillary artery & tributaries of vein AN10.4 Describe the anatomical groups of axillary lymph nodes and specify their	CLAVICLE AN8.1 Identify the given bone, its side, important features & keep it in anatomical position AN8.2 Identify & describe joints formed by the given bone AN8.3 Enumerate peculiarities of clavicle AN8.4 Demonstrate important muscle attachment on the given bone	SCAPULA AN8.1 Identify the given bone, its side, important features & keep it in anatomical position AN8.2 Identify & describe joints formed by the given bone AN8.4 Demonstrate important muscle attachment on the given bone	Batch C PY 3.18: Effect of increasing frequency of stimuli, preload and after load, repeated stimuli on SMT & determination of conduction velocity of sciatic nerve	Batch A BI 11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •pH meter •Paper chromatography of amino acid •Protein electrophoresis	**Foundation Course**

				areas of drainage Vertical Integration: General Surgery AN10.7 Explain anatomical basis of enlarged axillary lymph nodes Vertical Integration: General Surgery						
Wednesday	8/11/23	CM9.1 Define and describe the principles of Demography, Demographic cycle, Vital statistics	AN10.3 Describe, identify and demonstrate formation, branches, relations, area of supply of branches, course and relations of terminal branches of brachial plexus AN10.5 Explain variations in formation of brachial plexus AN10.6 Explain the anatomical basis of clinical features of Erb's palsy and Klumpke's paralysis Vertical Integration: General Surgery	PY4.6 Describe the Gut-Brain Axis	DISSECTION AN10.1 Identify & describe boundaries and contents of axilla AN10.2 Identify, describe and demonstrate the origin, extent, course, parts, relations and branches of axillary artery & tributaries of vein AN10.3 Describe, identify and demonstrate formation, branches, relations, area of supply of branches, course and relations of terminal branches of brachial plexus		SCAPULA AN8.1 Identify the given bone, its side, important features & keep it in anatomical position AN8.2 Identify & describe joints formed by the given bone AN8.4 Demonstrate important muscle attachment	Batch A PY 3.18: Effect of increasing frequency of stimuli, preload and after load, repeated stimuli on SMT & determination of conduction velocity of sciatic nerve	Batch B BI 11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •pH meter •Paper chromatography of amino acid •Protein electrophoresis	**Foundation Course**

							on the given bone			
Thursday	9/11/23	BI6.9 Describe the functions of various minerals in the body, their metabolism and homeostasis.	AN72.1 Identify the skin and its appendages under the microscope and correlate the structure with function	PY5.6 Describe abnormal ECG, arrythmias, heart block and myocardial Infarction	CM2.1 Describe the steps and perform clinico socio-cultural and demographic assessment of the individual, family and community		Batch-a AN72.1 Identify the skin and its appendages under the microscope and correlate the structure with function	Batch B PY 3.18: Effect of increasing frequency of stimuli, preload and after load, repeated stimuli on SMT & determination of conduction velocity of sciatic nerve	Batch C BI 11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •TLC, PAGE •Electrolyte analysis by ISE •ABG analyzer	**Foundation Course**
Friday	10/11/23	AN77.4 Describe the stages and consequences of fertilization Vertical Integration: Obst & Gynae	PY5.7 Describe and discuss haemodynamics of circulatory system	BI6.9 Describe the functions of various minerals in the body, their metabolism and homeostasis..	Hematology Written Test		Batch-a AN72.1 Identify the skin and its appendages under the microscope and correlate the structure with function	Batch C PY 3.18 Recording of normal cardiogram & effect of temperature and Effect of vegal stimulation on it.	Batch A BI 11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •TLC, PAGE •Electrolyte analysis by ISE •ABG analyzer	**Foundation Course**
Saturday	11/11/23		PY5.7 Describe and discuss haemodynamics of circulatory system	**SDL/ECE/Seminar (Anatomy,Physiology,Biochemistry)**			Batch-a AN72.1 Identify the skin and its appendages under the microscope and correlate the structure with function	Batch A PY 3.18 Recording of normal cardiogram & effect of temperature and Effect of vegal stimulation	Batch B BI 11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including:	**Foundation Course**

								on it.	•TLC, PAGE •Electrolyte analysis by ISE •ABG analyzer	
Sunday	12/11/23	**Foundation Course**								
Monday	13/11/23	HOLIDAY								**Foundation Course**
Tuesday	14/11/23	PY5.8 Describe and discuss local and systemic cardiovascular regulatory mechanisms	BI6.9 Describe the functions of various minerals in the body, their metabolism and homeostasis	AN9.2 Breast: Describe the location, extent, deep relations, structure, age changes, blood supply, lymphatic drainage, microanatomy and applied anatomy of breast Vertical Integration: General Surgery AN9.3 Describe development of breast	Humerus AN8.1 Identify the given bone, its side, important features & keep it in anatomical position AN8.2 Identify & describe joints formed by the given bone AN8.4 Demonstrate important muscle attachment on the given bone		SCAPULA AN8.1 Identify the given bone, its side, important features & keep it in anatomical position AN8.2 Identify & describe joints formed by the given bone AN8.4 Demonstrate important muscle attachment on the given bone	Batch C PY 3.18: Effect of increasing frequency of stimuli, preload and after load, repeated stimuli on SMT & determination of conduction velocity of sciatic nerve	Batch A BI 11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •pH meter •Paper chromatography of amino acid •Protein electrophoresis	**Foundation Course**
Wednesday	15/11/23	M9.2 Define, calculate and interpret	AN11.1 Describe and demonstrate muscle groups	PY5.8 Describe	AN10.8 Describe, identify and		ULNA AN8.1	Batch A PY 3.18	Batch B BI 11.16	**Foundation**

		demographic indices including birth rate, death rate, fertility rates Verical Integration:OBG YN & Pediatrics	of upper arm with emphasis on biceps and triceps brachii AN11.2 Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels in arm AN11.3 Describe the anatomical basis of Venepuncture of cubital veins AN11.4 Describe the anatomical basis of Saturday night paralysis	and discuss local and systemic cardiovascular regulatory mechanisms	demonstrate the position, attachment, nerve supply and actions of trapezius and latissimus dorsi AN10.9 Describe the arterial anastomosis around the scapula and mention the boundaries of triangle of auscultation AN10.10 Describe and identify the deltoid and rotator cuff muscles AN10.11 Describe & demonstrate attachment of serratus anterior with its action		Identify the given bone, its side, important features & keep it in anatomical position AN8.2 Identify & describe joints formed by the given bone AN8.4 Demonstrate important muscle attachment on the given bone	Properties of cardiac muscle & effect of variables on intact frog's heart.	Observe use of commonly used equipments/techniques in biochemistry laboratory including: • ELISA •Immunodiffusion •Autoanalyser	**Course**
Thursday	16/11/23	BI6.10 Enumerate and describe the disorders associated with mineral metabolism. Vertical Integration:Gen. Med.	AN78.1 Describe cleavage and formation of blastocyst AN78.2 Describe the development of trophoblast AN78.3 Describe the process of implantation & common abnormal sites of implantation Vertical Integration: Obst &Gynae	PY5.9 Describe the factors affecting heart rate, regulation of cardiac output & blood pressure	CM2.3 Describe and demonstrate in a simulated environment the assessment of barriers to good health and health seeking behavior		RADIUS Batch-a AN8.1 Identify the given bone, its side, important features & keep it in anatomical position AN8.2 Identify & describe joints formed by the given bone AN8.4 Demonstrate important muscle attachment on the given	Batch B PY 3.18 Properties of cardiac muscle & effect of variables on intact frog's heart.	Batch C BI 11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •Quality control •DNA isolation from blood/ tissue	**Foundation Course**

							bone			
Friday	17/11/23	AN76.1 Describe the stages of human life AN76.2 Explain the terms- phylogeny, ontogeny, trimester, viability AN77.5 Enumerate and describe the anatomical principles underlying Contraception Vertical Integration: Obstetrics & Gynaecology AN77.6 Describe teratogenic influences; fertility and sterility, surrogate motherhood, social significance of "sex-ratio". Vertical Integration: Obstetrics & Gynaecology AN79.6 Describe the diagnosis of pregnancy in first trimester and role of teratogens,	PY4.7 Describe & discuss the structure and functions of liver and gall bladder	BI8.1 Discuss the importance of various dietary components and explain importance of dietary fibre. Vertical Integration:Gen. Med./Paediatrics/Patho	Small Group Discussion Liver & Gall Bladder		RADIUS AN8.1 Identify the given bone, its side, important features & keep it in anatomical position AN8.2 Identify & describe joints formed by the given bone AN8.4 Demonstrate important muscle attachment on the given bone ULNA AN8.1 Identify the given bone, its side, important features & keep it in anatomical position AN8.2 Identify & describe joints formed by the given bone AN8.4 Demonstrate important	Batch C PY 3.18 Properties of cardiac muscle & effect of variables on intact frog's heart.	Batch A BI 11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •Quality control •DNA isolation from blood/ tissue BI 11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: • ELISA •Immunodiffusion •Autoanalyser	**Foundation Course**

		alpha-fetoprotein Vertical Integration: Obstetrics & Gynaecology					muscle attachment on the given bone			
Saturday	18/11/23		PY5.9 Describe the factors affecting heart rate, regulation of cardiac output & blood pressure	**SDL/ECE/Seminar (Anatomy,Physiology,Biochemistry)**			RADIUS AN8.1 Identify the given bone, its side, important features & keep it in anatomical position AN8.2 Identify & describe joints formed by the given bone AN8.4 Demonstrate important muscle attachment on the given bone	Batch A PY 3.18 Properties of cardiac muscle & effect of variables on intact frog's heart.	Batch B BI 11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •Quality control •DNA isolation from blood/ tissue	**Foundation Course**
Sunday	19/11/23	**Foundation Course**								
Monday	20/11/23	PY5.9 Describe the factors affecting heart rate, regulation of cardiac output & blood pressure	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN11.5 Identify & describe boundaries and contents of cubital fossa AN11.6 Describe the	Arm dissection		AN8.5 Identify and name various bones in articulated hand, Specify the parts of metacarpals and phalanges and enumerate	Batch B PY 3.14 Mosso's ergography	Batch C BI 11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - diabetes mellitus, - dyslipidemia,	**Foundation Course**

				anastomosis around the elbow joint			the peculiarities of pisiform AN8.6 Describe scaphoid fracture and explain the anatomical basis of avascular necrosis			
Tuesday	21/11/23	PY4.8 Describe & discuss gastric function tests, pancreatic exocrine function tests & liver function tests	BI8.2 Describe the types and causes of protein energy malnutrition and its Effects Vertical Integration:Gen. Med./Paediatrics/Patho BI8.3 Provide dietary advice for optimal health in childhood and adult, in disease conditions like diabetes mellitus, coronary artery disease and in pregnancy. Vertical Integration:Gen. Med.	AN12.1 Describe and demonstrate important muscle groups of ventral forearm with attachments, nerve supply and actions AN12.2 Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of forearm	Forearm dissection		AN8.5 Identify and name various bones in articulated hand, Specify the parts of metacarpals and phalanges and enumerate the peculiarities of pisiform AN8.6 Describe scaphoid fracture and explain the anatomical basis of avascular necrosis	Batch C PY 3.14 Mosso's ergography	Batch A BI 11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - diabetes mellitus, - dyslipidemia	**Foundation Course**

				AN12.3 Identify & describe flexor retinaculum with its attachments AN12.4 Explain anatomical basis of carpal tunnel syndrome						
Wednesday	22/11/23	CM9.5 Describe the methods of population control Verical Integration:OBGYN	AN12.11 Identify, describe and demonstrate important muscle groups of dorsal forearm with attachments, nerve supply and actions Vertical Integration: General Surgery AN12.12 Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of forearm Vertical Integration: General Surgery AN12.13 Describe the anatomical basis of Wrist drop AN12.14 Identify & describe compartments deep to extensor retinaculum Vertical Integration: General Surgery	PY5.10 Describe & discuss regional circulation including microcirculation, lymphatic circulation, coronary, cerebral, capillary, skin, foetal, pulmonary and splanchnic circulation Vertical Integration:Gen. Med.	Hand dissection		AN8.5 Identify and name various bones in articulated hand, Specify the parts of metacarpals and phalanges and enumerate the peculiarities of pisiform AN8.6 Describe scaphoid fracture and explain the anatomical basis of avascular necrosis	Batch A PY 3.14 Mosso's ergography	Batch B BI 11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - diabetes mellitus, - dyslipidemia,	**Foundation Course**
Thursday	23/11/23	BI8.3 Provide dietary advice	AN12.5 Identify & describe small muscles of	PY4.9 Discuss	CM3.5 Describe the standards of housing and the effect of housing on		Dissection AN12.5	Batch B PY 5.12	Batch C BI 11.17	**Foundation**

		for optimal health in childhood and adult, in disease conditions like diabetes mellitus, coronary artery disease and in pregnancy. BI8.4 Describe the causes (including dietary habits), effects and health risks associated with being overweight/ obesity. Vertical Integration:Gen. Med./Paediatrics/Patho	hand. Also describe movements of thumb and muscles involved AN12.6 Describe & demonstrate movements of thumb and muscles AN12.7 Identify & describe course and branches of important blood vessels and nerves in hand AN12.8 Describe anatomical basis of Claw hand Vertical Integration: General Surgery	the physiology aspects of: peptic ulcer, gastrooesophageal reflux disease, vomiting, diarrhoea, constipation, Adynamic ileus, Hirschsprung's disease	health		Identify & describe small muscles of hand. Also describe movements of thumb and muscles involved AN12.6 Describe & demonstrate movements of thumb and muscles AN12.7 Identify & describe course and branches of important blood vessels and nerves in hand AN12.8 Describe anatomical basis of Claw hand	Recording of arterial blood pressure	Explain the basis and rationale of biochemical tests done in the following conditions: - myocardial infarction, - renal failure, gout, - proteinuria,	**Course**
Friday	24/11/23	AN12.9 Identify & describe fibrous flexor sheaths, ulnar bursa, radial bursa and digital synovial sheaths AN12.10 Explain infection of fascial spaces	PY5.10 Describe & discuss regional circulation including microcirculation, lymphatic circulation, coronary, cerebral, capillary, skin, foetal, pulmonary and splanchnic circulation Vertical Integration:Gen. Med.	BI8.5 Summarize the nutritional importance of commonly used items of food including fruits and	Small Group Discussion Blood Pressure & its regulation		Dissection AN12.5 Identify & describe small muscles of hand. Also describe movements of thumb and muscles involved	Batch C PY 5.12 Recording of arterial blood pressure	Batch A BI 11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - myocardial infarction, - renal failure,	**Foundation Course**

		of palm Vertical Integration: General Surgery AN12.15 Identify & describe extensor expansion formation		vegetables.(macro-molecules & its importance) Vertical Integration:Gen. Med./Paediatrics/SPM			AN12.6 Describe & demonstrate movements of thumb and muscles AN12.7 Identify & describe course and branches of important blood vessels and nerves in hand AN12.8 Describe anatomical basis of Claw hand		gout, - proteinuria,	
Saturday	25/11/23		PY5.11 Describe the patho-physiology of shock, syncope and heart failure	**SDL/ECE/Seminar (Anatomy,Physiology,Biochemistry)**			Dissection AN12.5 Identify & describe small muscles of hand. Also describe movements of thumb and muscles involved AN12.6 Describe & demonstrate movements of thumb and muscles AN12.7 Identify & describe course and	Batch A PY 5.12 Recording of arterial blood pressure	Batch B BI 11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - myocardial infarction, - renal failure, gout, - proteinuria,	**Foundation Course**

						branches of important blood vessels and nerves in hand AN12.8 Describe anatomical basis of Claw hand			
Sunday	26/11/23	**Foundation Course**								
Monday	27/11/23	PY5.11 Describe the patho-physiology of shock, syncope and heart failure	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN10.8 Describe, identify and demonstrate the position, attachment, nerve supply and actions of trapezius and latissimus dorsi AN10.9 Describe the arterial anastomosis around the scapula and mention the boundaries of triangle of auscultati	AN10.8 Describe, identify and demonstrate the position, attachment, nerve supply and actions of trapezius and latissimus dorsi AN10.9 Describe the arterial anastomosis around the scapula and mention the boundaries of triangle of auscultation AN10.10 Describe and identify the deltoid and rotator cuff muscles AN10.11 Describe & demonstrate attachment of serratus anterior with its action		AN13.5 Identify the bones and joints of upper limb seen in anteroposterior and lateral view radiographs of shoulder region, arm, elbow, forearm and hand Radiodiagnosis	Batch B PY 5.12 Effect of posture on BP	Batch C BI 11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - nephrotic syndrome, - edema, - jaundice, - liver diseases	**Foundation Course**

				on AN10.10 Describe and identify the deltoid and rotator cuff muscles AN10.11 Describe & demonstrate attachment of serratus anterior with its action						
Tuesday	28/11/23	**HOLIDAY**								
Wednesday	29/11/23	CM9.6 Describe the National Population Policy	AN13.1 Describe and explain Fascia of upper limb and compartments, veins of upper limb and its lymphatic drainage AN13.2 Describe dermatomes of upper limb	PY6.1 Describe the functional anatomy of respiratory tract	Soft part upperlimb revision		AN13.5 Identify the bones and joints of upper limb seen in anteroposterior and lateral view radiographs of shoulder region, arm, elbow, forearm and hand Radiodiagnosis	Batch A PY 5.12 Effect of posture on BP	Batch B BI 11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - nephrotic syndrome, - edema, - jaundice, - liver diseases	**Foundation Course**
Thursday	30/11/23	BI2.6 Discuss use of enzymes in laboratory investigations	AN13.3 Identify & describe the type, articular surfaces, capsule, synovial	PY6.2 Describe the mechanic	CM3.5 Describe the standards of housing and the effect of housing on health		AN13.6 Identify & demonstrate important	Batch B PY 5.12 Effect of exercise on	Batch C BI 11.17 Explain the	**Foundation**

		Vertical Integration:Gen. Med./Patho BI2.7 Interpret laboratory results of enzyme activities & describe the clinical utility of various enzymes as markers of pathological conditions Vertical Integration:Gen. Med./Patho	membrane, ligaments, relations, movements, blood and nerve supply of elbow joint	s of normal respiration, pressure changes during ventilation, lung volume and capacities, alveolar surface tension, compliance, airway resistance, ventilation, V/P ratio, diffusion capacity of lungs			bony landmarks of upper limb: Jugular notch, sternal angle, acromial angle, spine of the scapula, vertebral level of the medial end, Inferior angle of the scapula AN13.7 Identify & demonstrate surface projection of: Cephalic and basilic vein, Palpation of Brachial artery, Radial artery, Testing of muscles: Trapezius, pectoralis major, serratus anterior, latissimus dorsi, deltoid, biceps brachii, Brachioradialis	BP	basis and rationale of biochemical tests done in the following conditions: -pancreatitis, disorders of acid- base balance, - thyroid disorders.	**Course**
Friday	1/12/23	AN13.3 Identify &	PY6.2 Describe the mechanics of normal	BI3.1 Discuss	Written Test CVS		AN13.6 Identify &	Batch C PY 5.12	Batch A BI 11.17	**Foundati**

		describe the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, blood and nerve supply of , proximal and distal radio-ulnar joints,	respiration, pressure changes during ventilation, lung volume and capacities, alveolar surface tension, compliance, airway resistance,ventilation, V/P ratio,diffusion capacity of lungs	and differentiate monosaccharides, di-saccharides and polysaccharides giving examples of main carbohydrates as energy fuel,structural element and storage in the human body			demonstrate important bony landmarks of upper limb: Jugular notch, sternal angle, acromial angle, spine of the scapula, vertebral level of the medial end, Inferior angle of the scapula AN13.7 Identify & demonstrate surface projection of: Cephalic and basilic vein, Palpation of Brachial artery, Radial artery, Testing of muscles: Trapezius, pectoralis major, serratus anterior, latissimus dorsi, deltoid, biceps brachii, Brachioradialis	Effect of exercise on BP	Explain the basis and rationale of biochemical tests done in the following conditions: -pancreatitis, disorders of acid- base balance, - thyroid disorders.	**on Course**
Saturday	2/12/23		PY5.11 Describe the patho-physiology of shock, syncope and heart failure	**SDL/ECE/Seminar (Anatomy,Physiology,Bi**			Dissection AN12.5 Identify &	Batch A PY 5.12 Recording of	Batch B BI 11.17	**Foundation**

				ochemistry)		describe small muscles of hand. Also describe movements of thumb and muscles involved AN12.6 Describe & demonstrate movements of thumb and muscles	arterial blood pressure	Explain the basis and rationale of biochemical tests done in the following conditions: - myocardial infarction, - renal failure, gout, - proteinuria	**Course**
Sunday	3/12/23	**Foundation Course**								
Monday	4/12/23	PY6.3 Describe and discuss the transport of respiratory gases: Oxygen and Carbon dioxide	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN13.3 Identify & describe the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, blood and nerve supply of wrist joint & first carpometacarpal joint	Osteology revision		Practical viva test	Batch B PY 5.12 Effect of cold on BP	Batch C BI 11.18 Discuss the principles of spectrophotometry.	**Foundation Course**
Tuesday	5/12/23	PY7.1 Describe structure and function of kidney	BI3.2 Describe the processes involved in digestion and assimilation of carbohydrates and storage BI3.3 Describe and discuss the digestion and assimilation of carbohydrates	AN13.4 Describe Sternoclavicular joint, Acromioclavicular joint, Carpometacarpal joints & Metacarpophalangeal joint	Revision		Practical viva test	Batch C PY 5.12 Effect of cold on BP	Batch A BI 11.18 Discuss the principles of spectrophotometry.	**Foundation Course**

			from food							
Wednesday	6/12/23	CM9.7 Enumerate the sources of vital statistics including census, SRS, NFHS, NSSO etc	AN13.8 Describe development of upper limb AND AN20.10 lower limb	PY7.2 Describe the structure and functions of juxta glomerular apparatus and role of renin-angiotensin system	Written test		Practical viva test	Batch A PY 5.12 Effect of cold on BP	Batch B BI 11.18 Discuss the principles of spectrophotometry.	**Foundation Course**
Thursday	7/12/23	BI3.4 Define and differentiate the pathways of carbohydrate metabolism,(glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt). Vertical Integration:Gen. Med. BI3.5 Describe and discuss the regulation, functions and integration of carbohydrate along with associated diseases/disorders Vertical Integration:Gen. Med.	AN78.4 Describe the formation of extra-embryonic mesoderm and coelom, bilaminar disc and prochordal plate AN78.5 Describe in brief abortion; decidual reaction, pregnancy test Vertical Integration: OBG	PY6.4 Describe and discuss the physiology of high altitude and deep sea diving	CM6.1 Formulate a research question for a study		AN21.1 Identify and describe the salient features of sternum	Batch B PY 5.13 Recording of 12 lead ECG & its interpretation	Batch C BI 11.19 Outline the basic principles involved in the functioning of instruments commonly used in a biochemistry laboratory and their applications.	**Foundation Course**
Friday	8/12/23	AN79.1 Describe the formation & fate of the primitive streak AN79.4 Describe the development of somites and intra-	PY6.4 Describe and discuss the physiology of high altitude and deep sea diving	BI3.6 Describe and discuss the concept of TCA cycle as a amphibolic pathway and its regulation. BI3.7 Describe	Small Group Discussion Mechanics of Respiration		AN21.1 Identify and describe the salient features of sternum	Batch C PY 5.13 Recording of 12 lead ECG & its interpretation	Batch A BI 11.19 Outline the basic principles involved in the functioning of instruments	**Foundation Course**

		embryonic coelom Vertical Integration: OBG		the common poisons that inhibit crucial enzymes of carbohydrate metabolism (eg; fluoride, arsenate)					commonly used in a biochemistry laboratory and their applications.	
Saturday	9/12/23		PY7.3 Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption & secretion; concentration and diluting mechanism	**SDL/ECE/Seminar (Anatomy,Physiology,Biochemistry)**			AN21.1 Identify and describe the salient features of sternum	Batch A PY 5.13 Recording of 12 lead ECG & its interpretation	Batch B BI 11.19 Outline the basic principles involved in the functioning of instruments commonly used in a biochemistry laboratory and their applications.	**Foundation Course**
Sunday	10/12/23	**Foundation Course**								
Monday	11/12/23	PY7.3 Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption & secretion; concentration and diluting mechanism	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN21.3 Describe & demonstrate the boundaries of thoracic inlet, cavity and OUTLET AN21.4 Describe & demonstrate extent, attachments, direction of fibres, nerve supply and actions of intercostal muscles AN21.5 Describe & demonstrate origin, course, relations and	AN21.1 Identify and describe the salient features of typical thoracic vertebra AN21.2 Identify & describe the features of, 1st, 11th and 12th thoracic vertebrae		AN21.1 Identify and describe the salient features of typical rib, Ist rib and AN21.2 Identify & describe the features of 2nd, 11th and 12th ribs	Batch B PY:6.0 Study of respratory movement by Stethography	Batch C BI 11.20Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states.	**Foundation Course**

				branches of a typical intercostal nerve						
Tuesday	12/12/23	PY7.3 Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption & secretion; concentration and diluting mechanism	BI3.8 Discuss and interpret laboratory results of analytes associated with metabolism of carbohydrates Vertical Integration:Gen. Med./Pathology	AN21.9 Describe & demonstrate mechanics and types of respiration Vertical Integration: Physiology	AN21.6 Mention origin, course and branches/ tributaries of: 1) anterior & posterior intercostal vessels 2) internal thoracic vessels AN21.7 Mention the origin, course, relations and branches of 1) atypical intercostal nerve 2) superior intercostal artery, subcostal artery		AN21.1 Identify and describe the salient features of typical rib, Ist rib and AN21.2 Identify & describe the features of 2nd, 11th and 12th ribs	Batch C PY:6.0 Study of respratory movement by Stethography	Batch A BI 11.20Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states.	
Wednesday	13/12/23	CM2.2 Describe the socio-cultural factors, family (types), its role in health and disease & demonstrate in a simulated environment the correct assessment of socio-economic status	AN21.11 Mention boundaries and contents of the superior, anterior, middle and posterior mediastinum	PY6.5 Describe and discuss the principles of artificial respiration, oxygen therapy, acclimatization and decompression sickness			AN21.1 Identify and describe the salient features of typical rib, Ist rib and AN21.2 Identify & describe the features of 2nd, 11th and 12th ribs	Batch A PY:6.0 Study of respratory movement by Stethography	Batch B BI 11.20Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states.	
Thursday	14/12/23	BI3.4 Define and differentiate the pathways of carbohydrate metabolism,(glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt). Vertical Integration:Gen	AN78.4 Describe the formation of extra-embryonic mesoderm and coelom, bilaminar disc and prochordal plate AN78.5 Describe in brief abortion; decidual reaction,	PY6.4 Describe and discuss the physiology of high altitude and deep sea diving	CM6.1 Formulate a research question for a study		AN21.1 Identify and describe the salient features of sternum	Batch B PY 5.13 Recording of 12 lead ECG & its interpretation	Batch C BI 11.19 Outline the basic principles involved in the functioning of instruments commonly used in a biochemistry laboratory	**Foundation Course**

		. Med. BI3.5 Describe and discuss the regulation, functions and integration of carbohydrate along with associated diseases/disorders Vertical Integration:Gen. Med.	pregnancy test Vertical Integration: OBG						and their applications.	
Friday	15/12/23	AN79.2 Describe formation & fate of notochord AN79.3 Describe the process of neurulation AN79.5 Explain embryological basis of congenital malformations, nucleus pulposus, sacrococcygeal teratomas, neural tube defects Vertical Integration: OBGy	PY6.6 Describe and discuss the pathophysiology of dyspnoea, hypoxia, cyanosis asphyxia; drowning, periodic breathing	BI3.9 Discuss the mechanism and significance of blood glucose regulation in health and disease. Vertical Integration:Gen. Med.	Small Group Discussion Transport of Gases & Hypoxia		AN21.10 Describe costochondral and interchondral joints	Batch C PY: 5.15 Clinical Examination of CVS	Batch A BI 11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum.	
Saturday	16/12/23		PY6.6 Describe and discuss the pathophysiology of dyspnoea, hypoxia, cyanosis asphyxia;	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			AN21.10 Describe costochondral and interchondral joints	Batch A PY: 5.15 Clinical Examination of CVS	Batch B BI 11.21 Demonstrate estimation of glucose, creatinine, urea and total	

			drowning, periodic breathing						protein in serum.	
Sunday	17/12/23									
Monday	18/12/23	PY7.3 Describe the mechanism of urine formation involving processes of filtration, tubular re-absorption & secretion; concentration and diluting mechanism	**AETCOM (Anatomy, Physiology, Biochemistry)**	AN21.3 Describe & demonstrate the boundaries of thoracic inlet, cavity and OUTLET AN21.4 Describe & demonstrate extent, attachments, direction of fibres, nerve supply and actions of intercostal muscles AN21.5 Describe & demonstrate origin, course, relations and branches of a typical intercostal nerve	AN21.1 Identify and describe the salient features of typical thoracic vertebra AN21.2 Identify & describe the features of, 1st, 11th and 12th thoracic vertebrae		AN21.10 Describe costochondral and interchondral joints	Batch A PY: 5.15 Clinical Examination of CVS	Batch B BI 11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum.	
Tuesday	19/12/23	PY7.4 Describe & discuss the significance & implication of Renal clearance	BI3.10 Interpret the results of blood glucose levels and other laboratory investigations related to disorders of carbohydrate metabolism. Vertical Integration:Gen. Med.	AN23.2 Describe & demonstrate the extent, relations tributaries of thoracic duct and enumerate its applied anatomy Vertical Integration: General Surgery	AN23.2 Describe & demonstrate the extent, relations tributaries of thoracic duct and enumerate its applied anatomy		AN21.8 Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints	Batch C PY:6.8,6.10 Determination of Lung volumes & capacities by spirometry	. Batch A BI 11.22 Calculate albumin: globulin (AG) ratio and creatinine clearance	
Wednesday	20/12/23	CM:2.4: Describe social	AN23.3 Describe &	PY7.5 Describe	AN23.3 Describe & demonstrate origin,		AN21.8 Describe &	Batch A	Batch B	

		psychology, community behaviour and community relationship and their impact on health and disease	demonstrate origin, course, relations, tributaries and termination of superior venacava, azygos, hemiazygos and accessory hemiazygos veins	the renal regulation of fluid and electrolytes & acid-base balance	course, relations, tributaries and termination of superior venacava, azygos, hemiazygos and accessory hemiazygos veins AN23.4 Mention the extent, branches and relations of arch of aorta & descending thoracic aorta AN23.7 Mention the extent, relations and applied anatomy of lymphatic duct		demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints	PY:6.8,6.10 Determination of Lung volumes & capacities by spirometry	BI 11.22 Calculate albumin: globulin (AG) ratio and creatinine clearance	
Thursday	21/12/23	BI6.7 Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these Vertical Integration: Gen. Med.	AN23.4 Mention the extent, branches and relations of arch of aorta & descending thoracic aorta AN23.7 Mention the extent, relations and applied anatomy of lymphatic duct Vertical Integration: General Surgery	PY7.5 Describe the renal regulation of fluid and electrolytes & acid-base balance	CM:2.4: Describe social psychology, community behaviour and community relationship and their impact on health and disease		AN25.1 Identify, draw and label a slide of trachea and lung	Batch B PY:6.8,6.10 Determination of Lung volumes & capacities by spirometry	Batch C BI 11.23 Calculate energy content of different food Items, identify food items with high and low glycemic index and explain the importance of these in the diet	
Friday	22/12/23	AN23.5 Identify & Mention the location and extent of thoracic sympathetic CHAIN AN23.6 Describe the splanchnic nerves	PY7.6 Describe the innervations of urinary bladder, physiology of micturition and its abnormalities	BI6.8 Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders. Vertical Integration: Gen. Med.	Small Group Discussion GFR,counter current mechanism		AN25.1 Identify, draw and label a slide of trachea and lung	Batch C PY:6.9 Clinical Examination of Respiratory system	Batch A BI 11.23 Calculate energy content of different food Items, identify food items with high and low glycemic index and explain the importance of	

									these in the diet	
Saturday	23/12/23		PY7.6 Describe the innervations of urinary bladder, physiology of micturition and its abnormalities	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			AN25.1 Identify, draw and label a slide of trachea and lung	Batch A PY:6.9 Clinical Examination of Respiratory system	Batch B BI 11.23 Calculate energy content of different food Items, identify food items with high and low glycemic index and explain the importance of these in the diet	
Sunday	24/12/23									
Monday	25/12/23	HOLIDAY								
Tuesday	26/12/23	PY7.4 Describe & discuss the significance & implication of Renal clearance	BI3.10 Interpret the results of blood glucose levels and other laboratory investigations related to disorders of carbohydrate metabolism. Vertical Integration:Gen. Med.	AN23.2 Describe & demonstrate the extent, relations tributaries of thoracic duct and enumerate its applied anatomy Vertical Integration: General Surgery	AN23.2 Describe & demonstrate the extent, relations tributaries of thoracic duct and enumerate its applied anatomy		AN21.8 Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints	Batch C PY:6.8,6.10 Determination of Lung volumes & capacities by spirometry	. Batch A BI 11.22 Calculate albumin: globulin (AG) ratio and creatinine clearance	
Wednesday	27/12/23	CM2.5 Describe poverty and social security measures and its relationship to health and disease	AN22.2 Describe & demonstrate external and internal features of each chamber of heart Horizontal	PY8.2 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper)	AN22.3 Describe & demonstrate origin, course and branches of coronary arteries AN22.4 Describe anatomical basis of ischaemic heart disease Physiology		AN25.9 Demonstrate surface marking of lines of pleural reflection, lung borders and fissures, trachea,	Batch A PY 6.0 Effect of posture on vital capacity by vitalography	Batch B BI 11.24Enumerate advantages and/or disadvantages of use of unsaturated,	

			Integration: Physiologyy	secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus	AN22.5 Describe & demonstrate the formation, course, tributaries and termination of coronary sinus		heart borders, apex beat & surface projection of valves of heart		saturated and trans fats in food.	
Thursday	28/12/23	BI6.13 Describe the functions of the kidney, liver, thyroid and adrenal glands Vertical Integration:Gen . Med. BI6.14 Describe the tests that are commonly done in clinical practice to assess the functions of these organs (kidney, liver, thyroid and adrenal glands). Vertical Integration:Gen . Med. BI6.15 Describe the abnormalities of kidney, liver, thyroid and adrenal glands Vertical Integration:Gen . Med.	AN22.3 Describe & demonstrate origin, course and branches of coronary arteries Horizontal Integration: Physiologyy AN22.4 Describe anatomical basis of ischaemic heart disease Vertical Integration: General Medicine Horizontal Integration: Physiology AN22.5 Describe & demonstrate the formation, course, tributaries and termination of coronary sinus	PY8.2 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus	CM6.1 Formulate a research question for a study		Heart revision	Batch B PY 6.0 Effect of posture on vital capacity by vitalography	Batch C BI 11.24 Enumerate advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food	
Friday	29/12/23	AN22.6 Describe the fibrous skeleton of heart	PY7.7 Describe artificial kidney, dialysis and renal transplantation	BI6.13 Describe the functions of the kidney, liver, thyroid and	Written Test Respiration		AN25.9 Demonstrate surface marking of lines of	Batch C PY 6.0 Effect of posture on	Batch A BI 11.24Enumer ate advantages	

		AN22.7 Mention the parts, position and arterial supply of the conducting system of Heart Horizontal Integration: Physiologyy		adrenal glands Vertical Integration: Gen. Med. BI6.14 Describe the tests that are commonly done in clinical practice to assess the functions of these organs (kidney, liver, thyroid and adrenal glands). Vertical Integration:Gen. Med. BI6.15 Describe the abnormalities of kidney, liver, thyroid and adrenal glands Vertical Integration:Gen. Med.			pleural reflection, lung borders and fissures, trachea, heart borders, apex beat & surface projection of valves of heart Heart revision	vital capacity by vitalography	and/or disadvantages of use of unsaturated, saturated and trans fats in food.	
Saturday	30/12/23		PY7.9 Describe cystometry and discuss the normal cystometrogram	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			Heart revision	Batch A PY:11.14 CPCR & Artificial Respiration	Batch B BI 11.24Enumerate advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food	
Sunday	31/12/23									
Monday	1/1/24	PY7.3 Describe the mechanism of urine formation involving	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN21.3 Describe & demonstrate the boundaries of thoracic inlet, cavity and	AN21.1 Identify and describe the salient features of typical thoracic vertebra AN21.2 Identify &		AN21.10 Describe costochondral and interchondral joints	Batch A PY: 5.15 Clinical Examination of CVS	Batch B BI 11.21 Demonstrate estimation of glucose,	

		processes of filtration, tubular reabsorption & secretion; concentration and diluting mechanism		OUTLET AN21.4 Describe & demonstrate extent, attachments, direction of fibres, nerve supply and actions of intercostal muscles AN21.5 Describe & demonstrate origin, course, relations and branches of a typical intercostal nerve	describe the features of, 1st, 11th and 12th thoracic vertebrae				creatinine, urea and total protein in serum.	
Tuesday	2/1/24	PY7.8 Describe & discuss Renal Function Tests	BI6.13 Describe the functions of the kidney, liver, thyroid and adrenal glands Vertical Integration:Gen. Med. BI6.14 Describe the tests that are commonly done in clinical practice to assess the functions of these organs (kidney, liver, thyroid and adrenal glands). Vertical Integration:Gen. Med. BI6.15 Describe the abnormalities of kidney, liver, thyroid and adrenal glands Vertical	AN24.2 Identify side, external features and relations of structures which form root of lung & bronchial tree and their clinical correlate Vertical Integration: General Medicine Horizontal Integration: Physiology	AN24.1 Mention the blood supply, lymphatic drainage and nerve supply of pleura, extent of pleura and describe the pleural recesses and their applied anatomy AN24.2 Identify side, external features and relations of structures which form root of lung & bronchial tree and their clinical correlate		AN25.7 Identify structures seen on a plain x-ray chest (PA view) Radiodiagnosis, General Medicine AN25.8 Identify and describe in brief a barium swallow	Batch C PY:11.14 CPCR & Artificial Respiration	Batch A BI 11.24Enumerate advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food	

			Integration:Gen. Med.							
Wednesday	3/1/24	CM14.1 Define and classify hospital waste Horizontal Integration:Microbiology	AN24.3 Describe a bronchopulmonary segment General Vertical Integration: General Medicine Horizontal Integration: Physiology AN24.4 Identify phrenic nerve & describe its formation & distribution AN24.5 Mention the blood supply, lymphatic drainage and nerve supply of lungs	PY8.1 Describe the physiology of bone and calcium metabolism	lung		AN25.7 Identify structures seen on a plain x-ray chest (PA view) Radiodiagnosis, General Medicine AN25.8 Identify and describe in brief a barium swallow	Batch A PY:5.16 Examination of Arterial Pulse	. Batch B BI 11.24Enumerate advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food	
Thursday	4/1/24	BI2.7 Interpret laboratory results of enzyme activities & describe the clinical utility of various enzymes as markers of pathological conditions Vertical Integration: Gen. Med	AN24.6 Describe the extent, length, relations, blood supply, lymphatic drainage and nerve supply of trachea	PY8.3 Describe the physiology of Thymus & Pineal Gland	CM6.1 Formulate a research question for a study		Revision	Batch B PY:5.16 Examination of Arterial Pulse	Batch C BI 11.24Enumerate advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food	
Friday	5/1/24	AN25.2 Describe	PY8.4 Describe function tests:	BI6.13 Describe the functions of	Small Group Discussion		Revision	Batch C PY:5.16	Batch A BI	

		development of pleura, lung	Thyroid gland; Adrenal cortex, Adrenal medulla and pancreas	the kidney, liver, thyroid and adrenal glands Vertical Integration:Gen. Med. BI6.14 Describe the tests that are commonly done in clinical practice to assess the functions of these organs (kidney, liver, thyroid and adrenal glands). Vertical Integration:Gen. Med. BI6.15 Describe the abnormalities of kidney, liver, thyroid and adrenal glands Vertical Integration:Gen. Med.	Acid Base Regulation & Renal Function Tests			Examination of Arterial Pulse	11.24Enumerate advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food	
Saturday	6/1/24		PY8.4 Describe function tests: Thyroid gland; Adrenal cortex, Adrenal medulla and pancreas	**SDL/ECE/Seminar (Anatomy,Physiology,Biochemistry)**			Revision	Batch A PY 10.11: Examination of cranial nerves I	Batch B BI 11.24Enumerate advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food	
Sunday	7/1/24	**SUNDAY**								
Monday	8/1/24	PY8.6 Describe & differentiate the mechanism of action of steroid, protein	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN25.2 Describe development of HEART	Revision thorax		AN25.2 Describe development of HEART MODEL	Batch B PY 10.11: Examination of cranial nerves I	Batch C BI 11.20Identify abnormal constituents	

		and amine hormones							in urine, interpret the findings and correlate these with pathological states.	
Tuesday	9/1/24	PY8.5 Describe the metabolic and endocrine consequences of obesity & metabolic syndrome, Stress response. Outline the psychiatry component pertaining to metabolic syndrome.	BI4.1 Describe and discuss main classes of lipids (Essential/non-essential fatty acids, cholesterol and hormonal steroids,triglycerides, major phospholipids and sphingolipids) relevant to human system and their major functions.	AN25.2 Describe development of HEART AN25.3 Describe fetal circulation and changes occurring at birth Vertical Integration: General Medicine Horizontal Integration: Physiology AN25.4 Describe embryological basis of: 1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy & 4) tracheo-oesophageal fistula	Viva thorax		AN25.2 Describe development of HEART MODEL	Batch C PY 10.11: Examination of cranial nerves I	Batch A BI 11.20Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states.	
Wednesday	10/1/24	CM14.2 Describe various methods of treatment of hospital waste Horizontal Integration:Microbiology	AN25.5 Describe developmental basis of congenital anomalies, transposition of great vessels, dextrocardia,	PY8.5 Describe the metabolic and endocrine consequences of obesity & metabolic syndrome, Stress response. Outline the psychiatry	Written test thorax		AN25.2 Describe development of HEART MODEL	Batch A PY 10.11: Examination of cranial nerves II	Batch B BI 11.20Identify abnormal constituents in urine, interpret the findings and correlate	

			patent ductus arteriosus and coarctation of aorta Vertical Integration: General Medicine, Pediatrics Horizontal Integration: Physiology AN25.6 Mention development of aortic arch arteries, SVC, IVC and coronary sinus	component pertaining to metabolic syndrome.					these with pathological states.	
Thursday	11/1/24	BI4.2 Describe the processes involved in digestion and absorption of dietary lipids and also the key features of their metabolism Vertical Integration: Gen. Med	AN27.1 Describe the layers of scalp, its blood supply, its nerve supply and surgical importance Vertical Integration: General Surgery AN27.2 Describe emissary veins with its role in spread of infection from extracranial route to intracranial venous sinuses	PY11.4 Describe and discuss cardio-respiratory and metabolic adjustments during exercise; physical training effects	CM6.2 Describe and discuss the principles and demonstrate the methods of collection, classification, analysis, interpretation and presentation of statistical data		AN26.1 Demonstrate anatomical position of skull, Identify and locate individual skull bones in skull AN26.2 Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	Batch B PY 10.11: Examination of cranial nerves II	Batch C BI 11.20Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states.	
Friday	12/1/24	AN28.1 Describe & demonstrate muscles of facial expression	PY10.1 Describe and discuss the organization of nervous system	BI4.3 Explain the regulation of lipoprotein metabolism & associated disorders	Written Test Kidney		AN26.1 Demonstrate anatomical position of skull, Identify and locate	Batch C PY 10.11: Examination of cranial nerves II	Batch A BI 11.20Identify abnormal constituents in urine,	

		and their nerve supply AN28.2 Describe sensory innervation of faceAN28.4 Describe & demonstrate branches of facial nerve with distribution AN28.6 Identify superficial muscles of face, their nerve supply and actions AN28.7 Explain the anatomical basis of facial nerve palsy Vertical Integration: Gen. Medicine		Vertical Integration: Gen. Med			individual skull bones in skull AN26.2 Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis		interpret the findings and correlate these with pathological states.	
Saturday	13/1/24		PY10.2 Describe and discuss the functions and properties of synapse, reflex, receptors	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			AN26.1 Demonstrate anatomical position of skull, Identify and locate individual skull bones in skull AN26.2 Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	Batch A PY 5.14 Testing of ANS	Batch B BI 11.20Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states.	
	14/1/24									

Monday	15/1/24	PY10.2 Describe and discuss the functions and properties of synapse, reflex, receptors	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN28.3 Describe & demonstrate origin /formation, course, branches /tributaries of facial vessels AN28.5 Describe cervical lymph nodes and lymphatic drainage of head, face and Neck AN28.8 Explain surgical importance of deep facial vein Vertical Integration: Gen. Surgery AN33.4 Explain the clinical significance of pterygoid venous plexus	dissection scalp		AN26.1 Demonstrate anatomical position of skull, Identify and locate individual skull bones in skull AN26.2 Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	Batch B PY 5.14 Testing of ANS	Batch C BI 11.15 Describe & discuss the composition of CSF	
Tuesday	16/1/24	PY9.3 Describe male reproductive system: functions of testis and control of spermatogenesis & factors modifying it and outline its association with psychiatric illness	BI4.4 Describe the structure and functions of lipoproteins, their functions, interrelations & relations with atherosclerosis Vertical Integration: Gen. Med	POSTERIOR TRIANGLE AN29.2 Explain anatomical basis of Erb's & Klumpke's palsy General Surgery Vertical Integration: Gen. Surgery AN29.4 Describe & demonstrate attachments of 1) inferior belly of omohyoid, 2)scalenus anterior, 3) scalenus	Dissection face		AN26.1 Demonstrate anatomical position of skull, Identify and locate individual skull bones in skull AN26.2 Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	Batch C PY 5.14 Testing of ANS	Batch A BI 11.15 Describe & discuss the composition of CSF	

				medius & 4) levator scapulae						
Wednesday	17/1/24	CM14.3 Describe laws related to hospital waste management Horizontal Integration:Microbiology	AN32.1 Describe boundaries and subdivisions of anterior triangle K AN32.2 Describe & demonstrate boundaries and contents of muscular, carotid, digastric and submental triangles	PY10.3 Describe and discuss somatic sensations & sensory tracts	AN29.1 Describe & demonstrate attachments, nerve supply, relations and actions of sternocleidomastoid AN29.3 Explain anatomical basis of wry General Surgery		AN26.1 Demonstrate anatomical position of skull, Identify and locate individual skull bones in skull AN26.2 Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	Batch A Haematology Practicals Test	Batch B BI 11.15 Describe & discuss the composition of CSF	
Thursday	18/1/24	BI4.5 Interpret laboratory results of analytes associated with metabolism of Lipids Vertical Integration: Gen. Med	AN28.9 Describe & demonstrate the parts, borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical importance Vertical Integration: Gen. Surgery AN28.10 Explain the anatomical basis of Frey's syndrome	PY10.3 Describe and discuss somatic sensations & sensory tracts	CM6.2 Describe and discuss the principles and demonstrate the methods of collection, classification, analysis, interpretation and presentation of statistical data S		AN26.3 Describe cranial cavity, its subdivisions, foramina and structures passing through them	Batch B Haematology Practicals Test	Batch C BI 11.15 Describe & discuss the composition of CSF	
Friday	19/1/24	AN33.1 Describe & demonstrate extent, boundaries	PY9.3 Describe male reproductive system:	BI4.6 Describe the therapeutic uses of prostaglandins	Small Group Discussion Pituitary & Thyroid		AN26.3 Describe cranial cavity, its subdivisions,	Batch C Haematology Practicals Test	Batch A BI 11.15 Describe & discuss the	

		and contents of temporal and infratemporal fossae	functions of testis and control of spermatogenesis & factors modifying it and outline its association with psychiatric illness	and inhibitors of eicosanoid synthesis Vertical Integration: Gen. Med			foramina and structures passing through them		composition of CSF	
Saturday	20/1/24		PY10.3 Describe and discuss somatic sensations & sensory tracts	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			AN26.3 Describe cranial cavity, its subdivisions, foramina and structures passing through them	Batch A Revision of Clinical Practicals	Batch B BI 11.15 Describe & discuss the composition of CSF	
Sunday	21/1/24									
Monday	22/1/24	PY9.4 Describe female reproductive system: (a) functions of ovary and its control; (b) menstrual cycle - hormonal, uterine and ovarian changes	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN33.2 Describe & demonstrate attachments, direction of fibres, nerve supply and actions of muscles of mastication Vertical Integration: Gen. Surgery	TRIANGLES OF NECK		AN26.4 Describe morphological features of mandible	Batch B PY:10.11: Examination of sensory system	Batch C BI 11.15 Describe & discuss the composition of CSF	
Tuesday	23/1/24	PY9.1 Describe and discuss sex determination; sex differentiation and their abnormities and outline psychiatry and practical implication of sex	BI4.6 Describe the therapeutic uses of prostaglandins and inhibitors of eicosanoid synthesis Vertical Integration: Gen. Med	AN33.3 Describe & demonstrate articulating surface, type & movements of temporomandibular joint AN33.5 Describe the features of dislocation of temporomandibular joint	TEMPORAL,INFRATEMPORAL REGION		AN26.4 Describe morphological features of mandible	Batch C PY:10.11: Examination of sensory system	Batch A BI 11.15 Describe & discuss the composition of CSF	

		determination.		Vertical Integration: Gen. Surgery						
Wednesday	24/1/24	CM6.2 Describe and discuss the principles and demonstrate the methods of collection, classification, analysis, interpretation and presentation of statistical data	An 43.4 development of face and congenital anamolies related to it.	PY10.4 Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus	Face development model,dissection		AN26.4 Describe morphologic al features of mandible	Batch A PY:10.11: Examination of sensory system	Batch B BI 11.15 Describe & discuss the composition of CSF	
Thursday	25/1/24	BI4.7 Interpret laboratory results of analytes associated with metabolism of lipids Vertical Integration: Gen. Med	AN35.1 Describe the parts, extent, attachments, modifications of deep cervical Fascia AN35.10 Describe the fascial spaces of neck	PY9.4 Describe female reproductive system: (a) functions of ovary and its control; (b) menstrual cycle - hormonal, uterine and ovarian changes	CM6.2 Describe and discuss the principles and demonstrate the methods of collection, classification, analysis, interpretation and presentation of statistical data		AN26.5 Describe features of typical and atypical cervical vertebrae (atlas and axis) AN26.7 Describe the features of the 7th cervical vertebra	Batch B Revision of clinical practicals	Batch C BI 11.15 Describe & discuss the composition of CSF	
Friday	26/1/24	AN35.3 Demonstrate & describe the origin, parts, course & branches subclavian artery AN35.4 Describe & demonstrate origin, course, relations, tributaries and termination of internal jugular	PY10.4 Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus	BI10.1 Describe the cancer initiation, promotion oncogenes & oncogene activation. Also focus on p53 & apoptosis Vertical Integration: OBG/Gen.Sur./Pathology BI10.2 Describe various biochemical tumor markers	Small Group Discussion Parthyroid & calcium metabolism		AN26.5 Describe features of typical and atypical cervical vertebrae (atlas and axis) AN26.7 Describe the features of the 7th cervical vertebra	Batch C Revision of clinical practicals	Batch A BI 11.15 Describe & discuss the composition of CSF	

		& brachiocephalic veins		and the biochemical basis of cancer therapy Vertical Integration: OBG/Gen.Sur./Pathology						
Saturday	27/1/24		PY10.4 Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			AN26.5 Describe features of typical and atypical cervical vertebrae (atlas and axis) AN26.7 Describe the features of the 7th cervical vertebra	Batch A Revision of clinical practicals	Batch B BI 11.15 Describe & discuss the composition of CSF	
Sunday	28/1/24									
Monday	29/1/24	PY9.4 Describe female reproductive system: (a) functions of ovary and its control; (b) menstrual cycle - hormonal, uterine and ovarian changes	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN33.2 Describe & demonstrate attachments, direction of fibres, nerve supply and actions of muscles of mastication Vertical Integration: Gen. Surgery	TRIANGLES OF NECK		AN26.4 Describe morphological features of mandible	Batch B PY:10.11: Examination of sensory system	Batch C BI 11.15 Describe & discuss the composition of CSF	
Tuesday	30/1/24	PY9.5 Describe and discuss the physiological effects of sex hormones	BI6.1 Discuss the metabolic processes that take place in specific organs in the body in the fed and fasting states. Vertical Integration:	AN36.1 Describe the morphology, relations, blood supply and applied anatomy of) composition of soft palate Vertical Integration:	PALATE		AN35.5 Describe and demonstrate extent, drainage & applied anatomy of cervical lymph nodes	Batch C PY:10.11 Examination of reflexes		

			Gen Med	ENT AN43.4 Describe the development and developmental basis of congenital anomalies of , palate			General Surgery AN35.6 Describe and demonstrate the extent, formation, relation & branches of cervical sympathetic chain			
Wednesday	31/1/24	CM6.2 Describe and discuss the principles and demonstrate the methods of collection, classification, analysis, interpretation and presentation of statistical data	AN36.1 Describe the 1) morphology, relations, blood supply and applied anatomy of palatine tonsil Vertical Integration: ENT	PY10.5 Describe and discuss structure and functions of reticular activating system, autonomic nervous system (ANS)	Palatine tonsil Parasympathetic ganglia		AN35.5 Describe and demonstrate extent, drainage & applied anatomy of cervical lymph nodes General Surgery AN35.6 Describe and demonstrate the extent, formation, relation & branches of cervical sympathetic chain	Batch A PY:10.11 Examination of reflexes		
Thursday	1/2/24	BI6.1 Discuss the metabolic processes that take place in specific organs in the body in the fed and fasting states. Vertical Integration: Gen Med	AN43.2 , AN43.3 Identify, describe and draw the microanatomy of pituitary gland, thyroid, parathyroid gland,pineal gland	PY10.5 Describe and discuss structure and functions of reticular activating system, autonomic nervous system (ANS)	CM6.2 Describe and discuss the principles and demonstrate the methods of collection, classification, analysis, interpretation and presentation of statistical data S		AN43.2 , AN43.3 Identify, describe and draw the microanatomy of pituitary gland, thyroid, parathyroid gland,pineal gland	Batch B PY:10.11 Examination of Motor system		
Friday	2/2/24	AN43.4	PY9.2 Describe	BI6.2 Describe	Small Group		AN43.2 ,	Batch C		

		Describe the development and developmental basis of congenital anomalies of branchial apparatus,	and discuss puberty: onset, progression, stages; early and delayed puberty and outline adolescent clinical and psychological association.	and discuss the metabolic processes in which nucleotides are involved. Vertical Integration: Gen Med	Discussion Sensory Physiology		AN43.3 Identify, describe and draw the microanatomy of pituitary gland, thyroid, parathyroid gland,pineal gland	PY:10.11 Examination of Motor system		
Saturday	3/2/24		PY9.2 Describe and discuss puberty: onset, progression, stages; early and delayed puberty and outline adolescent clinical and psychological association.	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			AN43.2 , AN43.3 Identify, describe and draw the microanatomy of pituitary gland, thyroid, parathyroid gland,pineal gland	Batch A PY:10.11 Examination of Motor system		
Sunday	4/2/24									
Monday	5/2/24	PY9.8 Describe and discuss the physiology of pregnancy, parturition & lactation and outline the psychology and psychiatry-disorders associated with it. Vertical Integration: OBS& Gynae	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN34.1 Describe & demonstrate the morphology, relations and nerve supply of submandibular salivary gland & submandibular ganglion Vertical Integration: Gen. Surgery AN34.2 Describe the basis of formation of submandibular stones	, AN34.1 Describe & demonstrate the morphology, relations and nerve supply of submandibular salivary gland & submandibular ganglion General Surgery AN34.2 Describe the basis of formation of submandibular stones		AN43.4 Describe the development and developmental basis of congenital anomalies of branchial apparatus	Batch B PY:10.11 Examination of sensory & Motor System		
Tuesday	6/2/24	PY9.8 Describe and discuss the physiology of pregnancy,	BI6.2 Describe and discuss the metabolic processes in	AN43.4 Describe the development and developmental	Model AN43.4 Describe the development and developmental basis of congenital		AN43.4 Describe the development and development	Batch C PY:10.11 Examination of sensory &		

		parturition & lactation and outline the psychology and psychiatry-disorders associated with it. Vertical Integration: OBS& Gynae	which nucleotides are involved. Vertical Integration: Gen Med	basis of congenital anomalies of, pituitary gland, thyroid gland	anomalies of, pituitary gland, thyroid gland		al basis of congenital anomalies of branchial apparatus	Motor System		
Wednesday	7/2/24	CM6.2 Describe and discuss the principles and demonstrate the methods of collection, classification, analysis, interpretation and presentation of statistical data	AN37.1 Describe & demonstrate features of nasal septum, lateral wall of nose, their blood supply and nerve supply Vertical Integration: ENT	PY9.8 Describe and discuss the physiology of pregnancy, parturition & lactation and outline the psychology and psychiatry-disorders associated with it Vertical Integration: OBS& Gynae	AN37.1 Describe & demonstrate features of nasal septum, lateral wall of nose, their blood supply and nerve supply		AN43.4 Describe the development and development al basis of congenital anomalies of branchial apparatus	Batch A PY:10.11 Examination of sensory & Motor System		
Thursday	8/2/24	BI6.3 Describe the common disorders associated with nucleotide metabolism Vertical Integration: Gen Med	AN43.2 Identify, describe and draw the microanatomy of, salivary glands, tonsil	PY10.10 Describe and discuss chemical transmission in the nervous system. (Outline the psychiatry element).	CM6.2 Describe and discuss the principles and demonstrate the methods of collection, classification, analysis, interpretation and presentation of statistical data		AN43.2 Identify, describe and draw the microanatomy of, salivary glands, tonsil	Batch B Case Study Endocrine		
Friday	9/2/24	AN:43.3:Identify ,describe the draw micro anatomy of olfactory epithelium , eyelid, lip.	PY9.10 Discuss the physiological basis of various pregnancy tests	BI6.4 Discuss the laboratory results of analytes associated with gout & Lesch Nyhan syndrome. Vertical Integration: Gen Med	Small Group Discussion Motor System		AN43.2 Identify, describe and draw the microanatomy of, salivary glands, tonsil	Batch C Case Study Endocrine		

Saturday	10/2/24		PY11.6 Describe physiology of Infancy	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			AN43.2 Identify, describe and draw the microanatomy of, salivary glands, tonsil	Batch A Case Study Endocrine		
Sunday	11/2/24									
Monday	12/2/24	PY10.6 Describe and discuss Spinal cord, its functions, lesion & sensory Disturbances	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN57.1 Identify external features of spinal cord AN57.2 Describe extent of spinal cord in child & adult with its clinical implication AN57.3 Draw & label transverse section of spinal cord at mid-cervical & midthoracic level AN57.4 Enumerate ascending & descending tracts at mid thoracic level of spinal Cord Vertical Integration: Gen. Medicine Horizontal Integration: Physiology AN57.5 Describe anatomical basis of syringomyelia	SPINAL CORD		SPINAL CORD	Batch B Case Study CNS		

Tuesday	13/2/24	PY10.6 Describe and discuss Spinal cord, its functions, lesion & sensory disturbances	BI4.1 Describe and discuss main classes of lipids (Essential/non-essential fatty acids, cholesterol and hormonal steroids, triglycerides, major phospholipids and sphingolipids) relevant to human system and their major functions. Vertical Integration: Gen. Med.	AN57.1 Identify external features of spinal cord AN57.2 Describe extent of spinal cord in child & adult with its clinical implication AN57.3 Draw & label transverse section of spinal cord at mid-cervical & midthoracic level AN57.4 Enumerate ascending & descending tracts at mid thoracic level of spinal Cord Vertical Integration: Gen. Medicine Horizontal Integration: Physiology AN57.5 Describe anatomical basis of syringomyelia	SPINAL CORD		SPINAL CORD	Batch C Case Study CNS		
Wednesday	14/2/24	CM10.7 Enumerate and describe the basis and principles of the Family Welfare Program including the organization, technical and operational aspects	AN36.1 Describe the 1) morphology, relations, blood supply and applied anatomy of palatine tonsil AN36.2 Describe the components and functions of Waldeyer's lymphatic ring	PY9.9 Interpret a normal semen analysis report including (a) sperm count, (b) sperm morphology and (c) sperm motility, as per WHO guidelines and discuss the	SAGGITAL SECTION OF Head and Neck		SPINAL CORD	Batch A Case Study CNS		

			AN36.3 Describe the boundaries and clinical significance of pyriform fossa AN36.4 Describe the anatomical basis of tonsillitis, tonsillectomy, adenoids and peri-tonsillar abscess Vertical Integration: ENT AN36.5 Describe the clinical significance of Killian's dehiscence	results			AN43.2 Identify, describe and draw the microanatomy of tounge,epiglottis, lip,cornea, retina	Batch B PY : 10.11 Cerebeller function tests		
Thursday	15/2/24	BI4.2 Describe the processes involved in digestion and absorption of dietary lipids and also the key features of their metabolism Vertical Integration: Gen. Med.	AN43.2 Identify, describe and draw the microanatomy of tounge,epiglottis, lip,cornea, retina	PY9.11 Discuss the hormonal changes and their effects during perimenopause and menopause Vertical Integration:OBG	CM10.6 Enumerate and describe various family planning methods, their advantages and shortcomings		AN43.2 Identify, describe and draw the microanatomy of tounge,epiglottis, lip,cornea, retina	Batch B PY : 10.11 Cerebeller function tests		
Friday	16/2/24	AN38.1 Describe the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their	BI4.3 Explain the regulation of lipoprotein metabolism & associated disorders Vertical Integration: Gen. Med.	Written Test Reproductive		AN43.2 Identify, describe and draw the microanatomy of tounge,epiglottis, lip,cornea, retina	Batch C PY : 10.11 Cerebeller function tests		

		muscles of the larynx Vertical Integration ENT AN38.2 Describe the anatomical aspects of laryngitis AN38.3 Describe anatomical basis of recurrent laryngeal nerve injury	abnormalities Vertical Integration:Psychiatry							
Saturday	17/2/24		PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities Vertical Integration:Psychiatry	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			AN43.2 Identify, describe and draw the microanatomy of tounge,epiglottis, lip,cornea, retina	Batch A PY : 10.11 Cerebeller function tests		
Sunday	18/2/24									
Monday	19/2/24	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia,thalamus, hypothalamus, cerebellum and limbic system and their Abnormalities	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN37.2 Describe location and functional anatomy of paranasal sinuses Vertical Integration: ENT AN37.3 Describe anatomical basis of sinusitis & maxillary	AN37.2 Describe location and functional anatomy of paranasal sinuses ENT AN37.3 Describe anatomical basis of sinusitis & maxillary sinus tumours		AN30.1 Describe the cranial fossae & identify related STRUCTURES General Surgery AN30.2 Describe & identify major foramina with	Batch B Case Study CVS		

		Vertical Integration:Psychiatry		sinus tumours			structures passing through them			
Tuesday	20/2/24	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia,thalamus, hypothalamus, cerebellum and limbic system and their Abnormalities Vertical Integration:Psychiatry	BI4.3 Explain the regulation of lipoprotein metabolism & associated disorders Vertical Integration: Gen. Med.	AN39.1 Describe & demonstrate the morphology, nerve supply, embryological basis of nerve supply, blood supply, lymphatic drainage and actions of extrinsic and intrinsic muscles of tongue AN39.2 Explain the anatomical basis of hypoglossal nerve palsy Vertical Integration: ENT	AN39.1 Describe & demonstrate the morphology, nerve supply, embryological basis of nerve supply, blood supply, lymphatic drainage and actions of extrinsic and intrinsic muscles of tongue AN39.2 Explain the anatomical basis of hypoglossal nerve palsy		AN30.1 Describe the cranial fossae & identify related STRUCTURES General Surgery AN30.2 Describe & identify major foramina with structures passing through them	Batch C Case Study CVS		
Wednesday	21/2/24	CM10.7 Enumerate and describe the basis and principles of the Family Welfare Program including the organization, technical and operational aspects	AN38.1 Describe the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic muscles of the larynx Vertical Integration: ENT ENT AN38.2 Describe the anatomical aspects of	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia,thalamus, hypothalamus, cerebellum and limbic system and their Abnormalities Vertical Integration:Psychiatry	AN38.1 Describe the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic muscles of the larynx ENT AN38.2 Describe the anatomical aspects of laryngitis AN38.3 Describe anatomical basis of recurrent laryngeal nerve injury		AN30.1 Describe the cranial fossae & identify related STRUCTURES General Surgery AN30.2 Describe & identify major foramina with structures passing through them	Batch A Case Study CVS		

			laryngitis AN38.3 Describe anatomical basis of recurrent laryngeal nerve injury							
Thursday	22/2/24	BI4.2 Describe the processes involved in digestion and absorption of dietary lipids and also the key features of their metabolism Vertical Integration: Gen. Med.	AN43.2 Identify, describe and draw the microanatomy of tounge,epiglottis, lip,cornea, retina	PY9.11 Discuss the hormonal changes and their effects during perimenopause and menopause Vertical Integration:OBG	CM10.6 Enumerate and describe various family planning methods, their advantages and shortcomings		AN43.2 Identify, describe and draw the microanatomy of tounge,epiglottis, lip,cornea, retina	Batch B PY : 10.11 Cerebeller function tests		
Friday	23/2/24	ORBIT AN31.1 Describe & identify extra ocular muscles of eyeball AN31.3 Describe anatomical basis of Horner's syndrome Vertical Integration: Opthomology AN31.5 strabismus	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia,thalamus, hypothalamus, cerebellum and limbic system and their Abnormalities Vertical Integration:Psychiatry	BI4.4 Describe the structure and functions of lipoproteins, their functions, interrelations & relations with atherosclerosis Vertical Integration: Gen. Med.	Small Group Discussion Basal Gangila			Batch C Case Study GIT		
Saturday	24/2/24		PY9.12 Discuss the common causes of infertility in a couple and role of IVF in managing a	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**				Batch A Case Study GIT		

			case of infertility. Vertical Integration: OBG							
Sunday	25/2/24									
Monday	26/2/24	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia,thalamus, hypothalamus, cerebellum and limbic system and their Abnormalities Vertical Integration:Psychiatry	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN37.2 Describe location and functional anatomy of paranasal sinuses Vertical Integration: ENT AN37.3 Describe anatomical basis of sinusitis & maxillary sinus tumours	AN37.2 Describe location and functional anatomy of paranasal sinuses ENT AN37.3 Describe anatomical basis of sinusitis & maxillary sinus tumours		AN30.1 Describe the cranial fossae & identify related STRUCTURES General Surgery AN30.2 Describe & identify major foramina with structures passing through them	Batch B Case Study CVS		
Tuesday	27/2/24	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia,thalamus, hypothalamus, cerebellum and limbic system and their Abnormalities Vertical Integration:Psychiatry	BI4.5 Interpret laboratory results of analytes associated with metabolism of Lipids Vertical Integration:Gen. Med.	AN31.4 Enumerate components of lacrimal apparatus	Orbit dissection, eyeball dissection			Batch C Case Study Respiratory system		
Wednesday	28/2/24	CM1.6 Describe and discuss the concepts, the principles of Health promotion and	AN31.2 Describe & demonstrate nerves and vessels in the orbit EYEBALL	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia,thalamus	AN43.5 Demonstrate- 1) Testing of muscles of facial expression, extraocular muscles, muscles of mastication, 2)			Batch A Case Study Respiratory system		

		Education, IEC and Behavioral change communication (BCC)		, hypothalamus, cerebellum and limbic system and their Abnormalities Vertical Integration:Psychiatry	Palpation of carotid arteries, facial artery, superficial temporal artery, 3) Location of internal and external jugular veins, 4) Location of hyoid bone, thyroid cartilage and cricoid cartilage with their vertebral levels General Surgery AN43.6 Demonstrate surface projection of- Thyroid gland, Parotid gland and duct, Pterion, Common carotid artery, Internal jugular vein, Subclavian vein, External jugular vein, Facial artery in the face & accessory nerve					
Thursday	29/2/24	BI4.2 Describe the processes involved in digestion and absorption of dietary lipids and also the key features of their metabolism Vertical Integration: Gen. Med.	AN43.2 Identify, describe and draw the microanatomy of tounge,epiglottis, lip,cornea, retina	PY9.11 Discuss the hormonal changes and their effects during perimenopause and menopause Vertical Integration:OBG	CM10.6 Enumerate and describe various family planning methods, their advantages and shortcomings		AN43.2 Identify, describe and draw the microanatomy of tounge,epiglottis, lip,cornea, retina	Batch B PY : 10.11 Cerebeller function tests		
Friday	1/3/24									
Saturday	2/3/24		PY11.1 Describe and discuss mechanism of temperature regulation	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			EMBRYOLOGY MODELS	Batch A Revision CNS Practicals		
Sunday	3/3/24									
Monday	4/3/24	PY11.2	**AETCOM**	AN43.3 Identify,	AN43.7 Identify the		EMBRYOLO	Batch B		

		Describe and discuss adaptation to altered temperature (heat and cold)	**(Anatomy,Physiology,Biochemistry)**	describe and draw microanatomy of olfactory epithelium, eyelid, sclero-corneal junction, optic nerve, cochlea- organ of corti,	anatomical structures in 1) Plain x-ray skull, 2) AP view and lateral view 3) Plain x-ray cervical spine- AP and lateral view 4) Plain xray of paranasal sinuses Radiodiagnosis AN43.8 Describe the anatomical route used for carotid angiogram and vertebral angiogram Radiodiagnosis AN43.9 Identify anatomical structures in carotid angiogram and vertebral angiogram		GY MODELS AN43.3 Identify, describe and draw microanatomy of olfactory epithelium, eyelid, sclero-corneal junction, optic nerve, cochlea-organ of corti	Case Study GIT, Case Study Respiratory system		
Tuesday	5/3/24	PY11.3 Describe and discuss mechanism of fever, cold injuries and heat stroke	BI4.6 Describe the therapeutic uses of prostaglandins and inhibitors of eicosanoid synthesis. BI4.7 Interpret laboratory results of analytes associated with metabolism of lipids Vertical Integration: Gen. Med.	AN42.2 Describe & demonstrate the boundaries and contents of Suboccipital triangle	Viva head and neck		AN43.3 Identify, describe and draw microanatomy of olfactory epithelium, eyelid, sclero-corneal junction, optic nerve, cochlea-organ of corti,	Batch C Spotting		
Wednesday	6/3/24	CM1.6 Describe and discuss the concepts, the principles of Health promotion and Education, IEC and Behavioral	AN42.1 Describe the contents of the vertebral canal AN42.3 Describe the position, direction of fibres, relations,	PY10.8 Describe and discuss behavioural and EEG characteristics during sleep and mechanism	Written test head and neck		AN43.3 Identify, describe and draw microanatomy of olfactory epithelium, eyelid, sclero-	Batch A Spotting		

		change communication (BCC)	nerve supply, actions of semispinalis capitis and splenius capitis	responsible for its production Vertical Integration:Psychiatry			corneal junction, optic nerve, cochlea-organ of corti,			
Thursday	7/3/24	BI7.5 Describe the role of xenobiotics in disease	AN43.1 Describe & demonstrate the movements with muscles producing the movements of atlantooccipital joint & atlantoaxial joint	PY10.8 Describe and discuss behavioural and EEG characteristics during sleep and mechanism responsible for its production Vertical Integration:Psychiatry	CM2.5 Describe poverty and social security measures and its relationship to health and disease		CRANIAL CAVITY	Batch B Spotting		
Friday	8/3/24	AN30.3 Describe & identify dural folds & dural venous sinuses AN30.4 Describe clinical importance of dural venous sinuses AN30.5 Explain effect of pituitary tumours on visual pathway Vertical Integration: Gen. Surgery	PY11.7 Describe and discuss physiology of aging; free radicals and antioxidants	BI7.6 Describe the anti-oxidant defence systems in the body.	Small Group Discussion Thalamus & Hypo-Thalamus		CRANIAL CAVITY	Batch C Revision BP Practicals		
Saturday	9/3/24		PY11.5 Describe and discuss physiological consequences of sedentary lifestyle	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			CRANIAL CAVITY	Batch A Revision BP Practicals		
Sunday	10/3/24									
Monday	11/3/24	PY10.9	**AETCOM**	AN56.1 Describe &	AN30.3 Describe & identify dural folds &		CRANIAL CAVITY	Batch B		

		Describe and discuss the physiological basis of memory, learning and speech Vertical Integration:Psychiatry	**(Anatomy,Physiology,Biochemistry)**	identify various layers of meninges with its extent & modifications. Vertical Integration: Gen. Medicine	dural venous sinuses AN30.4 Describe clinical importance of dural venous sinuses AN30.5 Explain effect of pituitary tumours on visual pathway			Revision BP Practicals		
Tuesday	12/3/24	PY10.9 Describe and discuss the physiological basis of memory, learning and speech Vertical Integration:Psychiatry	BI7.7 Describe the role of oxidative stress in the pathogenesis of conditions such as cancer, complications of diabetes mellitus and atherosclerosis Vertical Integration: Gen Med	AN30.3 Describe & identify dural folds & dural venous sinuses AN30.4 Describe clinical importance of dural venous sinuses AN30.5 Explain effect of pituitary tumours on visual pathway	AN56.1 Describe & identify various layers of meninges with its extent & Modifications AN56.1 Describe & identify various layers of meninges with its extent & modifications		CRANIAL CAVITY	Batch C Revision of Amphibian Graphs		
Wednesday	13/3/24		AN64.1 Describe & identify the microanatomical features of Spinal cord, Cerebellum & Cerebrum	PY10.9 Describe and discuss the physiological basis of memory, learning and speech Vertical Integration:Psychiatry	CSF		CRANIAL CAVITY	Batch A Revision of Amphibian Graphs		
Thursday	14/3/24	BI7.7 Describe the role of oxidative stress in the pathogenesis of conditions such as cancer, complications of diabetes mellitus and atherosclerosis Vertical	AN56.2 Describe circulation of CSF with its applied anatomy Horizontal Integration: Physiology Vertical Integration: Gen. Medicine	PY10.13 Describe and discuss perception of smell and taste sensation Vertical Integration:ENT			AN64.1 Describe & identify the microanatomical features of Spinal cord, Cerebellum & Cerebrum	Batch B Revision of Amphibian Graphs		

		Integration: Gen Med								
Friday	15/3/24	AN64.2 Describe the development of neural tube, spinal cord, medulla oblongata, pons, midbrain, cerebral hemisphere & cerebellum	PY10.14 Describe and discuss patho-physiology of altered smell and taste Sensation Vertical Integration:ENT	BI7.1 Describe the structure and functions of DNA and RNA and outline the cell cycle.	Small Group Discussion Memory ,Learning & speech		AN64.1 Describe & identify the microanatomical features of Spinal cord, Cerebellum & Cerebrum	Batch C Case Study		
Saturday	16/3/24		PY11.7 Describe and discuss physiology of aging; free radicals and antioxidants	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			AN64.1 Describe & identify the microanatomical features of Spinal cord, Cerebellum & Cerebrum	Batch A Case Study		
Sunday	17/3/24									
Monday	18/3/24	PY10.15 Describe and discuss functional anatomy of ear and auditory pathways & physiology of hearing Vertical Integration:ENT	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN57.1 Identify external features of spinal cord AN57.2 Describe extent of spinal cord in child & adult with its clinical implication AN57.3 Draw & label transverse section of spinal cord at mid-cervical & midthoracic level AN57.4 Enumerate ascending & descending tracts at mid thoracic level of spinal	AN57.1 Identify external features of spinal cord AN57.2 Describe extent of spinal cord in child & adult with its clinical implication AN57.3 Draw & label transverse section of spinal cord at mid-cervical & midthoracic level AN57.4 Enumerate ascending & descending tracts at mid thoracic level of spinal Cord AN57.5 Describe anatomical basis of syringomyelia		AN64.3 Describe various types of open neural tube defects with its embryological basis	Batch B Case Study		

				Cord AN57.5 Describe anatomical basis of syringomyelia						
Tuesday	19/3/24	PY10.15 Describe and discuss functional anatomy of ear and auditory pathways & physiology of hearing Vertical Integration:ENT	BI7.2 Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms.	AN57.1 Identify external features of spinal cord AN57.2 Describe extent of spinal cord in child & adult with its clinical implication AN57.3 Draw & label transverse section of spinal cord at mid-cervical & midthoracic level AN57.4 Enumerate ascending & descending tracts at mid thoracic level of spinal Cord AN57.5 Describe anatomical basis of syringomyelia	AN57.1 Identify external features of spinal cord AN57.2 Describe extent of spinal cord in child & adult with its clinical implication AN57.3 Draw & label transverse section of spinal cord at mid-cervical & midthoracic level AN57.4 Enumerate ascending & descending tracts at mid thoracic level of spinal Cord AN57.5 Describe anatomical basis of syringomyelia		AN64.3 Describe various types of open neural tube defects with its embryological basis	Batch C PY 10.20 Hearing Tests		
Wednesday	20/3/24		AN58.1 Identify external features of medulla oblongata AN58.2 Describe transverse section of medulla oblongata at the level of 1)	PY11.8 Discuss & compare cardio-respiratory changes in exercise(isometric and isotonic) with that in the resting state and under different environmental conditions (heat	AN58.1 Identify external features of medulla oblongata AN58.2 Describe transverse section of medulla oblongata at the level of 1) pyramidal decussation, 2) sensory decussation 3) ION		AN64.3 Describe various types of open neural tube defects with its embryological basis	Batch A PY:10.20 Hearing Tests		

			pyramidal decussation, 2) sensory decussation 3) ION	and cold)						
Thursday	21/3/24	BI7.3 Describe gene mutations and basic mechanism of regulation of gene expression. Vertical Integration: Paedia	AN58.3 Enumerate cranial nerve nuclei in medulla oblongata with their functional group Physiology AN58.4 Describe anatomical basis & effects of medial & lateral medullary syndrome	PY10.16 Describe and discuss pathophysiology of deafness. Describe hearing tests Vertical Integration:ENT			AN64.2 Describe the development of neural tube, spinal cord, medulla oblongata, pons, midbrain, cerebral hemisphere & cerebellum	Batch B PY:10.20 Hearing Tests		
Friday	22/3/24	AN64.2 Describe the development of neural tube, spinal cord, medulla oblongata, pons, midbrain, cerebral hemisphere & cerebellum	PY10.17 Describe and discuss functional anatomy of eye, physiology of image formation, physiology of vision including colour vision, refractive errors, colour blindness, physiology of pupil and light reflex Vertical Integration:Opthalmology	BI7.4 Describe applications of molecular technologies like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis. Vertical Integration:Paedia/Gen. Med.	Written Test CNS		AN64.2 Describe the development of neural tube, spinal cord, medulla oblongata, pons, midbrain, cerebral hemisphere & cerebellum	Batch C PY:10.20 Testing of Visual Acquity		
Saturday	23/3/24		PY10.17 Describe and discuss functional anatomy of eye, physiology of image formation, physiology of	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			AN64.2 Describe the development of neural tube, spinal cord, medulla oblongata, pons,	Batch A PY:10.20 Testing of Visual Acquity		

			vision including colour vision, refractive errors, colour blindness, physiology of pupil and light reflex Vertical Integration:Opthalmology				midbrain, cerebral hemisphere & cerebellum			
Sunday	24/3/24									
Monday	25/3/24	PY10.17 Describe and discuss functional anatomy of eye, physiology of image formation, physiology of vision including colour vision, refractive errors, colour blindness, physiology of pupil and light reflex Vertical Integration:Opthalmology	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN58.3 Enumerate cranial nerve nuclei in medulla oblongata with their functional group Physiology AN58.4 Describe anatomical basis & effects of medial & lateral medullary syndrome	BRAINSTEM DISSECTION		BRAINSTEM SPECIMEN	Batch B PY:10.20 Testing of Visual Acquity		
Tuesday	26/3/24	PY10.17 Describe and discuss functional anatomy of eye, physiology of image formation, physiology of vision including colour vision,	BI9.1 List the functions and components of the extracellular matrix (ECM)	AN59.1 Identify external features of pons Physiology AN59.2 Draw & label transverse section of pons at the upper and lower level AN59.3 Enumerate cranial nerve nuclei in pons	AN59.1 Identify external features of pons Physiology AN59.2 Draw & label transverse section of pons at the upper and lower level AN59.3 Enumerate cranial nerve nuclei in pons with their functional group		BRAINSTEM SPECIMEN	Batch C PY : 10.20 Testing of Color Vision		

		refractive errors, colour blindness, physiology of pupil and light reflex Vertical Integration:Opthalmology		with their functional group						
Wednesday	27/3/24		AN61.1 Identify external & internal features of midbrain AN61.2 Describe internal features of midbrain at the level of superior & inferior colliculus AN61.3 Describe anatomical basis & effects of Benedikt's and Weber's syndrome	PY11.11 Discuss the concept, criteria for diagnosis of Brain death and its implications	AN61.1 Identify external & internal features of midbrain AN61.2 Describe internal features of midbrain at the level of superior & inferior colliculus AN61.3 Describe anatomical basis & effects of Benedikt's and Weber's syndrome		BRAINSTEM SPECIMEN	Batch A PY : 10.20 Testing of Color Vision		
Thursday	28/3/24	BI9.2 Discuss the involvement of ECM components in health and disease. Verical Integration: Gen. Med. BI9.3 Describe protein targeting & sorting along with its associated disorders	AN60.1 Describe & demonstrate external & internal features of cerebellum	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities			CEREBELLUM SPECIMEN	Batch B PY : 10.20 Testing of Color Vision		
Friday	29/3/24	AN60.2	PY10.7 Describe and discuss	BI10.3 Describe	Small Group		CEREBELLU	Batch C		

		Describe connections of cerebellar cortex and intracerebellar nuclei AN60.3 Describe anatomical basis of cerebellar dysfunction	functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities	the cellular and humoral components of the immune system & describe the types and structure of antibody Vertical Integration: OBG/Gen.Sur./Pathology	Discussion Ear & its function and hearing abnormalities		M SPECIMEN	PY:10.20 Perimetry		
Saturday	30/3/24		PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			CEREBELLUM SPECIMEN	Batch A PY:10.20 Perimetry		
Sunday	31/3/24									
Monday	1/4/24	PY11.12 Discuss the physiological effects of meditation	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN62.1 Enumerate cranial nerve nuclei with its functional component	AN62.1 Enumerate cranial nerve nuclei with its functional component		CEREBRUM SPECIMEN	Batch B PY:10.20 Perimetry		
Tuesday	2/4/24	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities	BI10.4 Describe & discuss innate and adaptive immune responses, self/non-self recognition and the central role of T-helper cells in immune responses. Vertical Integration: Gen Med/Pathology	AN62.2 Describe & demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere	AN62.2 Describe & demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere		CEREBRUM SPECIMEN	Batch C PY:10.20 Perimetry		

Wednesday	3/4/24		AN62.3 Describe the white matter of cerebrum	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities	AN62.3 Describe the white matter of cerebrum		CEREBRUM SPECIMEN	Batch A PY:10.20 Perimetry		
Thursday	4/4/24	BI10. 4 Describe & discuss innate and adaptive immune responses, self/non-self recognition and the central role of T-helper cells in immune responses Vertical Integration: Gen Med/Pathology	AN62.4 Enumerate parts & major connections of basal ganglia & limbic lobe	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities			CEREBRUM SPECIMEN	Batch B PY:10.20 Perimetry		
Friday	5/4/24	AN60.2 Describe connections of cerebellar cortex and intracerebellar nuclei AN60.3 Describe anatomical basis of cerebellar dysfunction	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities	BI10.3 Describe the cellular and humoral components of the immune system & describe the types and structure of antibody Vertical Integration: OBG/Gen.Sur./Pathology	Small Group Discussion Ear & its function and hearing abnormalities		CEREBELLUM SPECIMEN	Batch C PY:10.20 Perimetry		

Saturday	6/4/24		PY10.17 Describe and discuss functional anatomy of eye, physiology of image formation, physiology of vision including colour vision, refractive errors, colour blindness, physiology of pupil and light reflex Vertical Integration:Opthal omolgy	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			CEREBRUM SPECIMEN	Batch A PY:10.20 Hearing Test		
Sunday	7/4/24									
Monday	8/4/24	PY11.12 Discuss the physiological effects of meditation	**AETCOM (Anatomy,Physiology,Biochemistry)**	AN62.1 Enumerate cranial nerve nuclei with its functional component	AN62.1 Enumerate cranial nerve nuclei with its functional component		CEREBRUM SPECIMEN	Batch B PY:10.20 Perimetry		
Tuesday	9/4/24	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities	BI10.5 Describe antigens and concepts involved in vaccine development Vertical Integration: Paediatrics/Pathology	AN62.5 Describe boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus	CEREBRUM SAGGITAL SECTION		AN62.6 Describe & identify formation, branches & major areas of distribution of circle of Willis	Batch C PY:10.20 Perimetry		
Wednesday	10/4/24		AN62.6 Describe & identify formation, branches & major areas of distribution of circle of Willis	PY10.18 Describe and discuss the physiological basis of lesion in visual pathway Vertical Integration:Opthal omolgy	AN63.1 Describe & demonstrate parts, boundaries & features of IIIrd, IVth		AN62.6 Describe & identify formation, branches & major areas of distribution of circle of Willis	Batch A PY:10.20 Perimetry		
Thursday	11/4/24		AN63.1 Describe &	PY10.18 Describe and discuss the physiological			AN62.6 Describe &	Batch B PY:10.20		

			demonstrate parts, boundaries & features of IIIrd, IVth	basis of lesion in visual pathway Vertical Integration:Opthalomolgy			identify formation, branches & major areas of distribution of circle of Willis AN63.1 Describe & demonstrate parts, boundaries & features of lateral ventricleAN63.2 Describe anatomical basis of congenital hydrocephalus	Perimetry		
Friday	12/4/24	AN63.1 Describe & demonstrate parts, boundaries & features of lateral ventricleAN63.2 Describe anatomical basis of congenital hydrocephalus	Y10.19 Describe and discuss auditory & visual evoke potentials Vertical Integration:Opthalomolgy		Small Group Discussion EYE- Visual Pathway,its lesion and physiology of vision including color vision		AN63.1 Describe & demonstrate parts, boundaries & features of lateral ventricleAN63.2 Describe anatomical basis of congenital hydrocephalus	Batch C PY 3.14 Mosso's Ergography		
Saturday	13/4/24		Y11.11 Discuss the concept, criteria for diagnosis of Brain death and its implications	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			AN63.1 Describe & demonstrate parts, boundaries & features of lateral ventricleAN63.2 Describe anatomical basis of congenital hydrocephal	Batch A PY 3.14 Mosso's Ergography		

							us			
Sunday	14/4/24									
Monday	15/4/24	PY11.12 Discuss the physiological effects of meditation	**AETCOM (Anatomy,Physiology,Biochemistry)**	NEUROANATOMY WRITTEN TEST	VIVA		ANTERIOR ABDOMINAL WALL	Batch B PY 3.14 Mosso's Ergography		
Tuesday	16/4/24	PY4.1 Describe the structure and functions of digestive system		AN44.1 Describe & demonstrate the Planes (transpyloric, transtubercular, subcostal, lateral vertical, linea alba, linea semilunaris), regions & Quadrants of abdomen	AN44.1 Describe & demonstrate the Planes (transpyloric, transtubercular, subcostal, lateral vertical, linea alba, linea semilunaris), regions & Quadrants of abdomen		ANTERIOR ABDOMINAL WALL	Batch C PY 5.13 Recording of ECG		
Wednesday	17/4/24		AN62.6 Describe & identify formation, branches & major areas of distribution of circle of Willis	PY10.18 Describe and discuss the physiological basis of lesion in visual pathway Vertical Integration:Opthalomolgy	AN63.1 Describe & demonstrate parts, boundaries & features of IIIrd, IVth		AN62.6 Describe & identify formation, branches & major areas of distribution of circle of Willis	Batch A PY:10.20 Perimetry		
Thursday	18/4/24		AN44.2 Describe & identify the Fascia, nerves & blood vessels of anterior abdominal wall	PY4.1 Describe the structure and functions of digestive system			ANTERIOR ABDOMINAL WALL	Batch B PY 5.13 Recording of ECG		
Friday	19/4/24	AN44.6 Describe & demonstrate attachments of muscles of anterior abdominal Wall AN44.7 Enumerate common Abdominal	PY3.7 Describe the different types of muscle fibres and their structure		Small Group Discussion Taste & Smell		AN44.6 Describe & demonstrate attachments of muscles of anterior abdominal Wall AN44.7 Enumerate common Abdominal	Batch C PY 5.13 Recording of ECG		

		incisions						incisions				
Saturday	20/4/24		PY3.7 Describe the different types of muscle fibres and their structure	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**				AN44.6 Describe & demonstrate attachments of muscles of anterior abdominal Wall AN44.7 Enumerate common Abdominal incisions	Batch A PY 5.13 Recording of ECG		
Sunday	21/4/24											
Monday	22/4/24	PY3.6 Describe the pathophysiology of Myasthenia gravis Vertical Integration:Pathology	**AETCOM (Anatomy, Physiology, Biochemistry**	AN44.3 Describe the formation of rectus sheath and its contents	Dissection anterior abdominal wall and rectus sheath		INGUINAL CANAL AND HERNIA	Batch B Practical Test(Mosso's Perimetry)				
Tuesday	23/4/24	PY4.3 Describe GIT movements, regulation and functions. Describe defecation reflex. Explain role of dietary fibre.		AN44.4 Describe & demonstrate extent, boundaries, contents of Inguinal canal including Hesselbach's triangle. General Surgery AN44.5 Explain the anatomical basis of inguinal	AN44.4 Describe & demonstrate extent, boundaries, contents of Inguinal canal including Hesselbach's triangle. General Surgery AN44.5 Explain the anatomical basis of inguinal hernia		INGUINAL CANAL AND HERNIA	Batch C Practical Test(Mosso's Perimetry)			

				hernia						
Wednesday	24/4/24		AN46.1 Describe & demonstrate coverings, internal structure, side determination, blood supply, nerve supply, lymphatic drainage & descent of testis with its applied anatomyAN46.5 Explain the anatomical basis of Phimosis & Circumcision	PY9.3 Describe male reproductive system: functions of testis and control of spermatogenesis & factors modifying it and outline its association with psychiatric illness.	AN46.1 Describe & demonstrate coverings, internal structure, side determination, blood supply, nerve supply, lymphatic drainage & descent of testis with its applied anatomyAN46.5 Explain the anatomical basis of Phimosis & Circumcision		INGUINAL CANAL AND HERNIA	Batch A Practical Test(Mosso's Perimetry)		
Thursday	25/4/24		AN45.1 Describe Thoracolumbar fascia AN45.2 Describe & demonstrate Lumbar plexus for its root value, formation & branches AN45.3 Mention the major subgroups of back muscles, nerve supply and action	PY8.5 Describe the metabolic and endocrine consequences of obesity & metabolic syndrome, Stress response. Outline the psychiatry component pertaining to metabolic syndrome			Testis, spermatic cord specimen	Batch B PY:6:Stethography		
Friday	26/4/24	AN46.2 Describe parts of Epididymis AN46.3 Describe Penis under	PY9.3 Describe male reproductive system: functions of testis and control of spermatogenesis & factors modifying it and outline its		Written Test Special Senses		Testis, spermatic cord specimen	Batch C PY:6:Stethography		

		following headings: (parts, components, blood supply and lymphatic drainage) AN46.4 Explain the anatomical basis of Varicocoele	association with psychiatric illness							
Saturday	27/4/24		PY11.7 Describe and discuss physiology of aging; free radicals and antioxidants	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			Testis, spermatic cord specimen	Batch A PY:6:Stethography		
Sunday	28/4/24									
Monday	29/4/24	PY4.9 Discuss the physiology aspects of: peptic ulcer, gastro-oesophageal reflux disease, vomiting, diarrhoea, constipation, Adynamic ileus, Hirschsprung's disease	**AETCOM (Anatomy, Physiology, Biochemistry**	AN47.1 Describe & identify boundaries and recesses of Lesser & Greater sac AN47.2 Name & identify various peritoneal folds & pouches with its explanation . AN47.3 Explain anatomical basis of Ascites & Peritonitis AN47.4	PERITONEUM DISSECTION		AN47.1 Describe & identify boundaries and recesses of Lesser & Greater AN47.2 Name & identify various peritoneal folds & pouches with its explanation AN47.3 Explain anatomical basis of Ascites & Peritonitis General Surgery AN47.4 Explain anatomical	Batch B PY:6.8&6.10 Measurement of lung volumes & capacities by spirometry		

				Explain anatomical basis of Subphrenic abscess			basis of Subphrenic abscess			
Tuesday	30/4/23	PY4.9 Discuss the physiology aspects of: peptic ulcer, gastro-oesophageal reflux disease, vomiting, diarrhoea, constipation, Adynamic ileus, Hirschsprung's disease		AN47.1 Describe & identify boundaries and recesses of Lesser & Greater AN47.2 Name & identify various peritoneal folds & pouches with its explanation AN47.3 Explain anatomical basis of Ascites & Peritonitis General Surgery AN47.4 Explain anatomical basis of Subphrenic abscess	PERITONEUM DISSECTION		AN47.1 Describe & identify boundaries and recesses of Lesser & Greater AN47.2 Name & identify various peritoneal folds & pouches with its explanation AN47.3 Explain anatomical basis of Ascites & Peritonitis General Surgery AN47.4 Explain anatomical basis of Subphrenic abscess	Batch C PY:6.8&6.10 Measurement of lung volumes & capacities by spirometry		
Wednesday	1/5/24		AN47.13 Describe & demonstrate the attachments, openings,	PY6.2 Describe the	AN47.13 Describe & demonstrate the attachments, openings,		AN47.1 Describe & identify	Batch A PY:6.8&6.10 Measurement		

			nerve supply & action of the thoracoabdominal diaphragm AN47.14 Describe the abnormal openings of thoracoabdominal diaphragm and diaphragmatic hernia	mechanics of normal respiration, pressure changes during ventilation, lung volume and capacities, alveolar surface tension, compliance, airway resistance, ventilation, V/P ratio, diffusion capacity of lungs	nerve supply & action of the thoracoabdominal diaphragm AN47.14 Describe the abnormal openings of thoracoabdominal diaphragm and diaphragmatic hernia		boundaries and recesses of Lesser & Greater AN47.2 Name & identify various peritoneal folds & pouches with its explanation AN47.3 Explain anatomical basis of Ascites & Peritonitis General Surgery AN47.4 Explain anatomical basis of Subphrenic abscess	of lung volumes & capacities by spirometry		
Thursday	2/5/24		STOMACH AN47.5 Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) General Surgery AN47.6 Explain the anatomical basis of & Lymphatic spread in carcinoma stomach	PY4.3 Describe GIT movements, regulation and functions. Describe defecation reflex. Explain role of dietary fibre.			STOMACH AN47.5 Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations,	Batch B OSPE(Objective Structured Practical Examination)		

							blood supply, nerve supply, lymphatic drainage and applied aspects) General Surgery AN47.6 Explain the anatomical basis of & Lymphatic spread in carcinoma stomach			
Friday	3/5/24	Liver AN47.5 Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) General Surgery AN47.6 Explain the anatomical basis of , Liver biopsy	PY4.7 Describe & discuss the structure and functions of liver and gall bladder		Small Group Discussion Exercise Physiology & effects of Yoga		STOMACH AN47.5 Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) General Surgery AN47.6 Explain the	Batch C OSPE(Objective Structured Practical Examination)		

		(site of needle puncture), Referred pain in cholecystitis, Obstructive jaundice umbilicus,					anatomical basis of & Lymphatic spread in carcinoma stomach			
Saturday	4/5/24		PY5.9 Describe the factors affecting heart rate, regulation of cardiac output & blood pressure	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			STOMACH AN47.5 Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) General Surgery AN47.6 Explain the anatomical basis of & Lymphatic spread in carcinoma stomach	Batch A OSPE(Objective Structured Practical Examination)		

Sunday	5/5/24									
Monday	6/5/24	PY4.9 Discuss the physiology aspects of: peptic ulcer, gastro-oesophageal reflux disease, vomiting, diarrhoea, constipation, Adynamic ileus, Hirschsprung's disease	**AETCOM (Anatomy,Physiology, Biochemistry)**	AN47.1 Describe & identify boundaries and recesses of Lesser & Greater sac AN47.2 Name & identify various peritoneal folds & pouches with its explanation . AN47.3 Explain anatomical basis of Ascites & Peritonitis AN47.4 Explain anatomical basis of Subphrenic abscess	PERITONEUM DISSECTION		AN47.1 Describe & identify boundaries and recesses of Lesser & Greater AN47.2 Name & identify various peritoneal folds & pouches with its explanation AN47.3 Explain anatomical basis of Ascites & Peritonitis General Surgery AN47.4 Explain anatomical basis of Subphrenic abscess	Batch B PY:6.8&6.10 Measurement of lung volumes & capacities by spirometry		
Tuesday	7/5/24	PY4.9 Discuss the physiology aspects of: peptic ulcer, gastro-oesophageal reflux disease, vomiting, diarrhoea, constipation, Adynamic ileus,		AN47.1 Describe & identify boundaries and recesses of Lesser & Greater AN47.2	PERITONEUM DISSECTION		AN47.1 Describe & identify boundaries and recesses of Lesser & Greater AN47.2 Name &	Batch C PY:6.8&6.10 Measurement of lung volumes & capacities by spirometry		

		Hirschsprung's disease		Name & identify various peritoneal folds & pouches with its explanation AN47.3 Explain anatomical basis of Ascites & Peritonitis General Surgery AN47.4 Explain anatomical basis of Subphrenic abscess			identify various peritoneal folds & pouches with its explanation AN47.3 Explain anatomical basis of Ascites & Peritonitis General Surgery AN47.4 Explain anatomical basis of Subphrenic abscess			
Wednesday	8/5/24		AN47.8 Describe & identify the formation, course relations and tributaries of Portal vein, Inferior vena cava & Renal vein AN47.10 Enumerate the sites of portosystemic anastomosis AN47.11 Explain the anatomic basis of hematemesis& caput medusae in portal Hypertension AN47.7 Mention the clinical importance of Calot's triangle	PY5.9 Describe the factors affecting heart rate, regulation of cardiac output & blood pressure	Liver AN47.5 Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) General Surgery AN47.6 Explain the anatomical basis of , Liver biopsy (site of needle puncture), Referred pain in		AN47.8 Describe & identify the formation, course relations and tributaries of Portal vein, Inferior vena cava & Renal vein AN47.10 Enumerate the sites of portosystemic anastomosis AN47.11 Explain the anatomic basis of	Batch A Amphibian Nerve Muscle Graphs Discussion		

					cholecystitis, Obstructive jaundice umbilicus,		hematemesis& caput medusae in portal hypertension			
Thursday	9/5/24		AN47.5,Extrahepatic biliary apparatus AN47.6 Explain the anatomical basis of Referred pain in cholecystitis, Obstructive jaundice, Referred pain around umbilicus	PY4.7 Describe & discuss the structure and functions of liver and gall bladder			AN47.5,Extrahepatic biliary apparatus AN47.6 Explain the anatomical basis of Referred pain in cholecystitis, Obstructive jaundice, Referred pain around umbilicus	Batch B Amphibian Nerve Muscle Graphs Discussion		
Friday	10/5/24	AN47.5 Describe & demonstrate pancreas viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) General Surgery	PY8.2 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus		Written Test GIT			Batch C Amphibian Nerve Muscle Graphs Discussion		

Saturday	11/5/24		PY8.2 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			AN47.5,Extrahepatic biliary apparatus AN47.6 Explain the anatomical basis of Referred pain in cholecystitis, Obstructive jaundice, Referred pain around umbilicus	Batch A Amphibian Nerve Muscle Graphs Discussion		
Sunday	12/5/24									
Monday	13/5/24	Y8.1 Describe the physiology of bone and calcium metabolism	**AETCOM (Anatomy, Physiology, Biochemistry)**	AN47.9 Describe & identify the origin, course, important relations and branches of Abdominal aorta, Coeliac trunk, Superior mesenteric, Inferior mesenteric & Common iliac artery	PANCREAS SPECIMEN AN47.9 Describe & identify the origin, course, important relations and branches of Abdominal aorta, Coeliac trunk, Superior mesenteric, Inferior mesenteric & Common iliac artery		AN47.5 Describe & demonstrate DUODENum viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)	Batch B Amphibian Heart Graphs Discussion		
Tuesday	14/5/24									
Wednesday	15/5/24		AN47.5 Describe & demonstrate DUODENum	PY4.3 Describe	DISSECTION SMALL INTESTINE		AN47.5 Describe &	Batch A Amphibian		

			viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)	GIT movements, regulation and functions. Describe defecation reflex. Explain role of dietary fibre.			demonstrate DUODENum viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)	Heart Graphs Discussion		
Thursday	16/5/24		AN47.5 Describe & demonstrate Jejunum,Ileum viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)	PY4.3 Describe GIT movements, regulation and functions. Describe defecation reflex. Explain role of dietary fibre.			AN47.5 Describe & demonstrate Jejunum,Ileum viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic	Batch B Amphibian Heart Graphs Discussion		

							drainage and applied aspects)			
Friday	17/5/24	AN47.5 Describe & demonstrate Large Intestine viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)	PY6.4 Describe and discuss the physiology of high altitude and deep sea diving		Small Group Discussion Temperature Regulation & its abnormalities		AN47.5 Describe & demonstrate Jejunum,Ileum viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)	Batch C Amphibian Heart Graphs Discussion		
Saturday	18/5/24		PY6.4 Describe and discuss the physiology of high altitude and deep sea diving	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			AN47.5 Describe & demonstrate DUODENum viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal	Batch A Amphibian Heart Graphs Discussion		

							and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) AN47.5 Describe & demonstrate Jejunum,Ileum viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)			
Sunday	19/5/24									
Monday	20/5/24	PY6.5 Describe and discuss the principles of artificial respiration, oxygen therapy, acclimatization	**AETCOM (Anatomy, Physiology, Biochemistry)**	AN47.5 Describe & demonstrate Caecum viscera of	LARGE INTESTINE DISSECTION		BONY PELVIS	Batch B PY : 10.11 Cranial Nerve Examination		

		and decompression sickness.		abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)						
Tuesday	21/5/24									

Wednesday	22/5/24		AN47.5 Describe & demonstrate SPLEEN viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) AN47.6 Explain the anatomical basis of Splenic notch, Accessory spleens, Kehr's sign	PY6.5 Describe and discuss the principles of artificial respiration, oxygen therapy, acclimatization and decompression sickness.	SPLEEN SPECIMEN KIDNEY SPECIMEN		BONY PELVIS	Batch A PY : 10.11 Cranial Nerve Examination		

Thursday	**23**/5/24		AN48.2 Describe & demonstrate Kidney under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) AN48.6	PY7.1 Describe structure and function of kidney			BONY PELVIS	Batch B PY : 10.11 Cranial Nerve Examination		
Friday	24/5/24	AN48.2 Describe & demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) urinary Bladder AN48.6 Describe the neurological basis of Automatic bladder	PY7.6 Describe the innervations of urinary bladder, physiology of micturition and its abnormalities		Small Group Discussion Urinary Bladder,mictutrition and its abnormalities		BONY PELVIS	Batch C PY : 10.11 Cranial Nerve Examination		
Saturday	25/5/24		PY7.6 Describe the innervations of urinary bladder, physiology of micturition and its abnormalities	**SDL/ECE/Seminar (Anatomy, Physiology, Biochemistry)**			BONY PELVIS	Batch A Case Study(CNS)		
Sunday	26/5/24									
Monday	27/5/24	PY8.5 Describe the metabolic and endocrine consequences of obesity & metabolic syndrome,	**AETCOM (Anatomy, Physiology, Biochemistry)**	AN48.2 Describe & demonstrate the (position, features, important peritoneal and other relations,	BLADDER AND PROSTATE SPECIMEN AND DISSECTION		BLADDER AND PROSTATE SPECIMEN	Batch B Case Study(CNS)		

		Stress response. Outline the psychiatry component pertaining to metabolic syndrome.		blood supply, nerve supply, lymphatic drainage and clinical aspects of) PROSTATE Gland AN48.7 Mention the lobes involved in benign prostatic hypertrophy & prostatic Cancer AN48.5 Explain the anatomical basis of Urinary obstruction in benign prostatic hypertrophy						
Tuesday	28/5/24	PY7.3 Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption & secretion; concentration and diluting mechanism		AN48.2 Describe & demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) ureter. AN48.4 Describe the branches of sacral plexus	AN48.2 Describe & demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) ureter. AN48.4 Describe the branches of sacral plexus		BLADDER AND PROSTATE SPECIMEN	Batch C Case Study(CNS)		
Wednesday	29/5/24		AN48.2 Describe & demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) uterus AN48.5 Explain the anatomical basis of	PY7.3 Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption & secretion; concentration and	AN48.2 Describe & demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply,		BLADDER AND PROSTATE SPECIMEN	Batch A Case Study(CNS)		

			Retroverted uterus, Prolapse uterus, Tubal pregnancy & Tubal ligation	diluting mechanism	lymphatic drainage and clinical aspects of) uterus AN48.5 Explain the anatomical basis of Retroverted uterus, Prolapse uterus, Tubal pregnancy & Tubal ligation					
Thursday	30/5/24		AN49.4 Describe & demonstrate boundaries, content & applied anatomy of Ischiorectal fossa General Surgery AN49.5 Explain the anatomical basis of Perineal tear, Episiotomy, Perianal abscess and Anal fissure	PY7.4 Describe & discuss the significance & implication of Renal clearanc			ISCHIORECTAL FOSSA AND PERINEAL POUCHES	Batch B Spotting Test		
Friday	31/5/24	AN49.1 Describe & demonstrate the superficial & deep perineal pouch (boundaries and contents) Obstetrics & Gynaecology AN49.2 Describe & identify Perineal AN49.3 Describe & demonstrate Perineal membrane in male & female	PY7.5 Describe the renal regulation of fluid and electrolytes & acid-base balance		Written Test Kidney		ISCHIORECTAL FOSSA AND PERINEAL POUCHES	Batch C Spotting Test		