

Amaltas Institute of Medical Sciences, Dewas
Competency Based Time Table for MBBS Phase - Batch 2023-24

TIME TABLE

	Physiology	Biochemistry	PSM	Examination	Holiday	Biochemistry + Physiology Prac

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
Date/Time	18.09.2023	19.09.2023	20.09.2023	21.09.2023	22.09.2023	23.09.2023	
09-10am	Introduction to Physiology	PY1.1 Describe the structure and functions of a mammalian cell Cell I	BI1.1a. Describe the molecular and functional organization of a cell. Molecular and functional organization of a cell. (HI- Physiology) (B)	PY1.1 Describe the structure and functions of a mammalian cell Cell II	BI1.1b. Describe the molecular and functional organization of a cell. Morphology and functional organization of sub cellular components (HI- Physiology) (B)	PY1.2 Describe and discuss the principles of homeostasis Homeostasis	
10 - 11am							
11 - 01pm							
01 - 02pm	Lunch		Lunch				
02 - 03pm	Study of Amphibian Appliances	Study of Amphibian Appliances	Study of Amphibian Appliances	SGD/Tutorial Cell Membrane (P)	Practical/Demonstration Good Laboratory Practice (P)	SGD/ECE/SDL- (B) Cell Study	
03 - 04pm	Study of Microscope (P) / Instrumentation of Biochemistry (B)	Study of Microscope (P) / Instrumentation of Biochemistry (B)	Study of Microscope (P) / Instrumentation of Biochemistry (B)	SGD/Tutorial Spotting on Glassware (B)	Practical/Demonstration Safety & Hazards of Biochemistry Laboratory (B)		

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	25.09.2023	26.09.2023	27.09.2023	28.09.2023	29.09.2023	30.09.2023
09-10am	PY1.4 Describe apoptosis – programmed cell death Apoptosis (VI – PATHOLOGY)	PY1.5 Describe and discuss transport mechanisms across cell membranes Passive transport & Active transport	BI2.1 Explain fundamental concepts of enzyme, isoenzyme, alloenzyme,coenzyme & co-factors. Enumerate the main classes of IUBMB nomenclature. Concepts of enzyme, isoenzyme, alloenzyme,coenzyme & co-factors. Enumerate the main classes of IUBMB nomenclature. (B)	PY1.6 Describe the fluid compartments of the body, its ionic composition & measurements Fluid compartments of the body, its ionic composition & measurements (HI -Biochemistry)	BI2.2 Describe and explain the basic principles of enzyme activity & Kinetics Basic principles of enzyme activity & Kinetics (B)	PY1.7 Describe the concept of pH & Buffer systems in the body
10 - 11am	AN1.1 Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body	AN1.2 Describe composition of bone and bone AN2.1 Describe parts, blood and nerve supply of a long bone marrow AN2.2 Enumerate laws of ossification AN2.3 Enumerate special features of a sesamoid bone.	AN2.4 Describe various types of cartilage with its structure & distribution in body	AN2.5 Describe various joints with subtypes and examples AN2.6 Explain the concept of nerve supply of joints & Hilton’s law	AN3.1 Classify muscle tissue according to structure & action AN3.2 Enumerate parts of skeletal muscle and differentiate between tendons and aponeuroses with examples AN3.3 Explain Shunt and spurt muscles	pH & Buffer systems in the body (HI - Biochemistry)
11 - 01pm	AN1.1 Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body	AN1.2 Describe composition of bone and bone 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.	AN2.4 Describe various types of cartilage with its structure & distribution in body	AN2.5 Describe various joints with subtypes and examples AN2.6 Explain the concept of nerve supply of joints & Hilton’s law.	AN3.1 Classify muscle tissue according to structure & action AN3.2 Enumerate parts of skeletal muscle and differentiate between tendons and aponeuroses with examples AN3.3 Explain Shunt and spurt muscles	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
01 - 02pm	Lunch		Lunch			

02 - 03pm	Study of Amphibian Appliances Study of Microscope (P) /	Study of Amphibian Appliances Study of Microscope (P) /	Study of Amphibian Appliances Study of Microscope (P) /	SGD/Tutorial Feedback Mechanism of the Human body (P)	Practical/Demonstration Sample Collection & Waste Disposal (P)	PSM
03 - 04pm	BI11.3 Describe the chemical components of normal urine. Analysis of normal constituents of	BI11.3 Describe the chemical components of normal urine. Analysis of normal constituents of	BI11.3 Describe the chemical components of normal urine. Analysis of normal constituents of urine	SGD/Tutorial Spotting on Instrumentation (B)	Practical/Demonstration Introduction of qualitative & Quantitative Practicals (B)	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	02.10.2023	03.10.2023	04.10.2023	05.10.2023	06.10.2023	07.10.2023
09-10am	PY1.8 Describe and discuss the molecular basis of resting membrane potential and action potential in excitable tissue Resting membrane potential & Action potential & PY1.9 Functions of the cells and its products, its communications	PY2.1 Describe the composition and functions of blood components	BI2.3 Describe Enzyme Inhibition & regulation Enzyme Inhibition & regulation (B)	PY3.1 Describe the structure and functions of a neuron and neuroglia; Discuss Nerve Growth Factor & other growth factors/cytokines Neuron & Neuroglia (HI-Human Anatomy)	BI2.4 Describe and discuss the clinical & therapeutic utility of various serum enzymes as markers of pathological conditions. Clinical & therapeutic utility of various serum enzymes as markers of pathological conditions. (VI- Pathology, General Medicine) (B)	PY2.2 Discuss the origin, forms, variations and functions of plasma Proteins Plasma proteins (HI- Biochemistry)

10 - 11am	<p>AN5.1 Differentiate between blood vascular and lymphatic system</p> <p>AN5.2 Differentiate between pulmonary and systemic circulation</p>	<p>Blood components</p>	<p>AN6.1 List the components and functions of the lymphatic system</p> <p>AN6.2 Describe structure of lymph capillaries & mechanism of lymph circulation</p> <p>AN6.3 Explain the concept of lymphoedema and spread of tumors via lymphatics and venous system</p>	<p>AN7.1 Describe general plan of nervous system with components of central, peripheral & autonomic nervous systems</p> <p>AN7.2 List components of nervous tissue and their functions</p> <p>AN7.3 Describe parts of a neuron and classify them based on number of neurites, size & function</p> <p>AN7.4 Describe structure of a typical spinal nerve</p>	<p>AN7.5 Describe principles of sensory and motor innervation of muscles</p> <p>AN7.6 Describe concept of loss of innervation of a muscle with its applied anatomy</p> <p>AN7.7 Describe various type of synapse</p> <p>AN7.8 Describe differences between sympathetic and spinal ganglia</p>	<p>AN8.1 Identify the given bone, its side, important features & keep it in anatomical position</p> <p>AN8.2 Identify & describe joints formed by the given bone</p> <p>AN8.3 Enumerate peculiarities of clavicle</p> <p>AN8.4 Demonstrate important muscle attachment on the given bone</p>
11 - 01pm	<p>AN5.1 Differentiate between blood vascular and lymphatic system</p> <p>AN5.2 Differentiate between pulmonary and systemic circulation</p>	<p>AN5.3 List general differences between arteries & veins</p> <p>AN5.4 Explain functional difference between elastic, muscular arteries and arterioles</p> <p>AN5.5 Describe portal system giving examples</p> <p>AN5.6 Describe the concept of anastomoses and collateral circulation with significance of end-arteries</p> <p>AN5.7 Explain function of meta-arterioles, precapillary sphincters, arterio-venous anastomoses</p> <p>AN5.8 Define thrombosis, infarction & aneurysm</p>	<p>AN5.3 List general differences between arteries & veins</p> <p>AN5.4 Explain functional difference between elastic, muscular arteries and arterioles</p> <p>AN5.5 Describe portal system giving examples</p> <p>AN5.6 Describe the concept of anastomoses and collateral circulation with significance of end-arteries</p> <p>AN5.7 Explain function of meta-arterioles, precapillary sphincters, arterio-venous anastomoses</p> <p>AN5.8 Define thrombosis, infarction & aneurysm</p>	<p>AN7.1 Describe general plan of nervous system with components of central, peripheral & autonomic nervous systems</p> <p>AN7.2 List components of nervous tissue and their functions</p> <p>AN7.3 Describe parts of a neuron and classify them based on number of neurites, size & function</p> <p>AN7.4 Describe structure of a typical spinal nerve</p>	<p>AN7.5 Describe principles of sensory and motor innervation of muscles</p> <p>AN7.6 Describe concept of loss of innervation of a muscle with its applied anatomy</p> <p>AN7.7 Describe various type of synapse</p> <p>AN7.8 Describe differences between sympathetic and spinal ganglia</p>	<p>AN8.1 Identify the given bone, its side, important features & keep it in anatomical position</p> <p>AN8.2 Identify & describe joints formed by the given bone</p> <p>AN8.3 Enumerate peculiarities of clavicle</p> <p>AN8.4 Demonstrate important muscle attachment on the given bone</p>
01 - 02pm	Lunch		Lunch			

02 - 03pm	(PY 3.18) Gradation of stimuli & strength duration curve - (P)	(PY 3.18) Gradation of stimuli & strength duration curve - (P)	(PY 3.18) Gradation of stimuli & strength duration curve - (P)	SGD/Tutorial Active Transport (P)	Practical/Demonstration Primary and Secondary Circuit in Amphibian Laboratory (P)	Physiology (SGD/ECE/SDL) Oedema-1 (P) SDL - History of Physiology
03 - 04pm	Specific Gravity, relative viscosity of blood - (P) BI11.4 Perform urine analysis to estimate and determine normal and abnormal Analysis of abnormal constituents of urine (B)	Specific Gravity, relative viscosity of blood - (P) BI11.4 Perform urine analysis to estimate and determine normal and abnormal Analysis of abnormal constituents of urine (B)	Specific Gravity, relative viscosity of blood - (P) BI11.4 Perform urine analysis to estimate and determine normal and abnormal Analysis of abnormal constituents of urine (B)	SGD/Tutorial Transport Mechanism of Cell (B)	Practical/Demonstration BI2.3 Describe Enzyme Inhibition & regulation Enzyme Inhibition & regulation (B)	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	02.10.2023	03.10.2023	04.10.2023	05.10.2023	06.10.2023	07.10.2023
09-10am		PY3.2 Describe the types, functions & properties of nerve fibers PY3.3 Degeneration and regeneration in peripheral nerves (VI- General Medicine)	BI2.4 Describe and discuss the clinical & therapeutic utility of various serum enzymes as markers of pathological conditions. Clinical & therapeutic utility of various serum enzymes as markers of pathological conditions. (VI- Pathology, General Medicine) (B)	PY2.3 Describe and discuss the synthesis and functions of Haemoglobin and explain its breakdown. Describe variants of haemoglobin Haemoglobin (HI- Biochemistry)	BI2.4 Describe and discuss the clinical & therapeutic utility of various serum enzymes as markers of pathological conditions. Clinical & therapeutic utility of various serum enzymes as markers of pathological conditions. (VI- Pathology, General Medicine) (B)	PY2.3 Describe RBC formation (erythropoiesis & its regulation) and its
10 - 11am		Nerve Fiber & PY3.3	AN9.1 Describe attachment, nerve supply & action of pectoralis major and pectoralis minor	AN9.2 Breast: Describe the location, extent, deep relations, structure, age changes, blood supply, lymphatic drainage, microanatomy and applied anatomy of breast AN9.3 Describe development of breast	AN10.1 Identify & describe boundaries and contents of axilla	Functions

11 - 01pm	Gandhi Jayanti	Degeneration and regeneration in peripheral nerves (VI- General Medicine)	AN9.1 Describe attachment, nerve supply & action of pectoralis major and pectoralis minor	AN9.2 Breast: Describe the location, extent, deep relations, structure, age changes, blood supply, lymphatic drainage, microanatomy and applied anatomy of breast AN9.3 Describe development of breast	AN10.1 Identify & describe boundaries and contents of axilla	RBC
01 - 02pm		Lunch				
02 - 03pm		(PY 3.18) Muscle-Nerve preparation & Simple Muscle Curve -P (PH2.12) BI11.20	(PY 3.18) Muscle-Nerve preparation & Simple Muscle Curve -P (PH2.12) BI11.20	SGD/Tutorial Active Transport (P)	Practical/Demonstration Primary and Secondary Circuit in Amphibian Laboratory (P)	PSM/SDL/ECE
03 - 04pm		Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states. Urine report (B)	Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states. Urine report (B)	SGD/Tutorial Enzymes Markers (B)	Instruments handling in pathology laboratory (VI- Pathology) (B)	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	09.10.2023	10.10.2023	11.10.2023	12.10.2023	13.10.2023	14.10.2023
09-10am	PY3.4 Describe the structure of neuro-muscular junction and transmission of impulses Neuromuscular junction-1	PY3.5 Neuromuscular junction-2 (VI – Anaesthesiology, Pharmacology & Pathology)	BI2.5 Describe and discuss the clinical utility of various serum enzymes as markers of pathological conditions. BI2.6 Discuss use of enzymes in laboratory investigations (Enzyme-based assays) Discuss use of enzymes in laboratory investigations (VI - Pathology, General Medicine) (B)	PY2.5 Describe different types of anaemias & Jaundice Anaemia (VI- Pathology) (HI – Biochemistry)	BI2.7 Interpret laboratory results of enzyme activities & describe the clinical utility of various enzymes as markers of pathological conditions Significance & Diagnostic uses of enzymes (VI - Pathology, General Medicine) (B)	PY3.7 Describe the different types of muscle fibres and their structure Types of Muscle (HI- Human Anatomy) & PY3.8 Describe action potential and its properties in different muscle types
10 - 11am	AN10.3 Describe, identify and demonstrate formation, branches, relations, area of supply of branches, course and relations of terminal branches of brachial plexus	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	AN10.8 Describe, identify and demonstrate the position, attachment, nerve supply and actions of trapezius and latissimus dorsi AN10.11 Describe & demonstrate attachment of serratus anterior with its action	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 AN10.13 Explain anatomical basis of Injury to axillary nerve during intramuscular injections	AN10.12 Describe and demonstrate shoulder joint for- type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, muscles involved, blood supply, nerve supply and applied anatomy
11 - 01pm	AN10.3 Describe, identify and demonstrate formation, branches, relations, area of supply of branches, course and relations of terminal branches of brachial plexus	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	AN10.8 Describe, identify and demonstrate the position, attachment, nerve supply and actions of trapezius and latissimus dorsi AN10.11 Describe & demonstrate attachment of serratus anterior with its action	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 AN10.13 Explain anatomical basis of Injury to axillary nerve during intramuscular injections	AN10.12 Describe and demonstrate shoulder joint for- type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, muscles involved, blood supply, nerve supply and applied anatomy
01 - 02pm	Lunch		Lunch			

02 - 03pm	(PY 3.18) Muscle-Nerve preparation & Simple Muscle Curve -P (PH2.12) BI11.20 Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states. Urine report (B)	(PY-3.18) Effect of temperature on Skeletal muscle.-P (PY- 2.11) Estimation of haemoglobin - P BI11.21 A Demonstrate the estimation of glucose , creatinine, Urea & total protein in serum Demonstrate the estimation of glucose (B)	(PY-3.18) Effect of temperature on Skeletal muscle.-P (PY- 2.11) Estimation of haemoglobin - P BI11.21 A Demonstrate the estimation of glucose , creatinine, Urea & total protein in serum Demonstrate the estimation of glucose (B)	SGD/Tutorial Active Transport (P)	Practical/Demonstration Primary and Secondary Circuit in Amphibian Laboratory (P)	PHY SGD/ECE/SDL--- Oedema-1-
03 - 04pm				SGD/Tutorial Iso Enzyme (B)	Practical/Demonstration- BI3.1 A Discuss and differentiate monosaccharides, disaccharides and polysaccharides giving examples of main carbohydrates as energy fuel, structural element and storage in the human body Chemistry of carbohydrate I Classifications, Functions & Structure of Carbohydrate	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	16.10.2023	17.10.2023	18.10.2023	19.10.2023	20.10.2023	21.10.2023
09-10am	PY2.6 Describe WBC formation (granulopoiesis) and its regulation WBC	PY2.7 Describe the formation of platelets, functions and variations Platelet	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 from food. Describe and discuss the digestion and assimilation of carbohydrate from food	PY3.9 Describe the molecular basis of muscle contraction in skeletal and in smooth muscles Muscle contraction & PY3.10 Type of muscle contraction	BI3.6 Describe and discuss the concept of TCA cycle as a amphibolic pathway and its regulation. BI3.7 Describe the common poisons that inhibit crucial enzymes of carbohydrate metabolism (eg; fluoride, arsenate) TCA Cycle & its Regulation (HI- Physiology)	PY3.11 Muscle metabolism (HI-Biochemistry) & PY3.12 Gradation of muscular activity (VI- General Medicine)
10 - 11am	AN11.1 Describe and demonstrate muscle groups of upper arm with emphasis on biceps and triceps brachii	AN11.1 Describe and demonstrate muscle groups of upper arm with emphasis on biceps and triceps brachii	AN11.5 Identify & describe boundaries and contents of cubital fossa AN11.6 Describe the anastomosis around the elbow joint	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	AN12.3 Identify & describe flexor retinaculum with its attachments AN12.4 Explain anatomical basis of carpal tunnel syndrome

11 - 01pm	AN11.1 Describe and demonstrate muscle groups 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	AN11.5 Identify & describe boundaries and contents of cubital fossa AN11.6 Describe the anastomosis around the elbow joint	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	AN12.3 Identify & describe flexor retinaculum with its attachments AN12.4 Explain anatomical basis of carpal tunnel syndrome
01 - 02pm	Lunch		Lunch			
02 - 03pm	(PY-3.18) Effect of temperature on Skeletal muscle.-P (PY- 2.11) Estimation of haemoglobin - P	(PY-3.18) Effect of load on Skeletal Muscle Contraction - P (PY- 2.11) Total white blood cell count - P	(PY-3.18) Effect of load on Skeletal Muscle Contraction - P (PY- 2.11) Total white blood cell count - P	SGD/Tutorial Haemopoiesis (P)	Practical/Demonstration Focusing of Neubauer's counting chamber under microscope (P)	PSM
03 - 04pm	BI11.21 A Demonstrate the estimation of glucose , creatinine, Urea & total protein in serum Demonstrate the estimation of glucose (B)	BI11.21 B Demonstrate the estimation of glucose , creatinine, Urea & total protein in serum BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance Demonstrate the estimation of Creatinine (B)	BI11.21 B Demonstrate the estimation of glucose , creatinine, Urea & total protein in serum BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance Demonstrate the estimation of Creatinine (B)	SGD/Tutorial Iso Enzyme (B)	Practical/Demonstration - BI11.4 Perform urine analysis to estimate and determine normal and abnormal constituents study of abnormal constituents of Urine (B)	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	23.10.2023	24.10.2023	25.10.2023	26.10.2023	27.10.2023	28.10.2023
09-10am	<p>PY2.8 Describe the physiological basis of hemostasis and, anticoagulants. Describe bleeding & clotting disorders (Hemophilia, purpura) Hemostasis (VI-Pathology)</p>	Dussehra	<p>BI3.4 B Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt). Glycogen Metabolism, functions of glycogen, glycogenesis and glycogenolysis (VI-General Medicine)</p>	<p>PY2.9 Describe different blood groups and discuss the clinical importance of blood grouping, blood banking and transfusion Blood group</p>	<p>BI3.4 C Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt). HMP Shunt & their significance, importance of pentoses and NADPH & G6PD deficiency (VI-General Medicine)</p>	<p>PY2.10 Define and classify different types of immunity. Describe the development of immunity and its regulation Immunity</p>
10 - 11am	<p>AN12.3 Identify & describe flexor retinaculum with its attachments AN12.4 Explain anatomical basis of carpal tunnel syndrome</p>		<p>AN12.7 Identify & describe course and branches of important blood vessels and nerves in hand AN12.8 Describe anatomical basis of Claw hand</p>	<p>AN12.9 describe fibrous flexor sheaths, ulnar bursa, radial bursa and digital synovial sheaths AN12.10 Explain infection of fascial spaces of palm Identify & describe fibrous flexor sheaths, ulnar bursa, radial bursa and digital synovial sheaths</p>	<p>AN12.11 Identify, describe and demonstrate important muscle groups of dorsal forearm with attachments, nerve supply and actions AN12.12 Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of forearm</p>	<p>AN12.13 Describe the anatomical basis of Wrist drop AN12.14 Identify & describe compartments deep to extensor retinaculum AN12.15 Identify & describe extensor expansion formation</p>
11 - 01pm	<p>AN12.3 Identify & describe flexor retinaculum with its attachments AN12.4 Explain anatomical basis of carpal tunnel syndrome</p>		<p>AN12.7 Identify & describe course and branches of important blood vessels and nerves in hand AN12.8 Describe anatomical basis of Claw hand</p>	<p>AN12.9 describe fibrous flexor sheaths, ulnar bursa, radial bursa and digital synovial sheaths AN12.10 Explain infection of fascial spaces of palm Identify & describe fibrous flexor sheaths, ulnar bursa, radial bursa and digital synovial sheaths</p>	<p>AN12.11 Identify, describe and demonstrate important muscle groups of dorsal forearm with attachments, nerve supply and actions AN12.12 Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of forearm</p>	<p>AN12.13 Describe the anatomical basis of Wrist drop AN12.14 Identify & describe compartments deep to extensor retinaculum AN12.15 Identify & describe extensor expansion formation</p>
01 - 02pm	Lunch			Lunch		

02 - 03pm	BI11.21 B Demonstrate the (PY-3.18) Velocity of nerve impulse - P Revision of Haematology practicals - P estimation of glucose , creatinine, Urea & total protein in serum		(PY-3.18) Velocity of nerve impulse - P Revision of Haematology practicals - P BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum. Demonstrate the estimation of Urea (B)	SGD/Tutorial Neuroglia (P)	Practical/Demonstration Recording of Action potential (P)	PSM
03 - 04pm	BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance Demonstrate the estimation of Creatinine (B)			SGD/Tutorial FA - Enzyme (B)	Practical/Demonstration- HMP Shunt & their significance (VI- General Medicine) (B)	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	30.10.2023	31.10.2023	01.11.2023	02.11.2023	03.11.2023	04.11.2023
09-10am	PY5.1 Describe the functional anatomy of heart including chambers, sounds; and Pacemaker tissue and conducting system Heart (HI- Human Anatomy)	PY6.1 Describe the functional anatomy of respiratory tract Respiratory Tract & PY6.2 Mechanics of Respiration	BI3.4 D Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt). Gluconeogenesis , its importance & regulations (VI- General Medicine)	PY5.3 Discuss the events occurring during the cardiac cycle Caediac cycle	BI3.4 D Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt). Gluconeogenesis , its importance & regulations (VI- General Medicine)	PY6.2 Describe the 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 Lung volumes & capacities

10 - 11am	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	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	AN13.4 Describe Sternoclavicular joint, Acromioclavicular joint, Carpometacarpal joints & Metacarpophalangeal joint 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	AN13.6 Identify & 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	AN13.8 Describe development of upper limb
11 - 01pm	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	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	AN13.4 Describe Sternoclavicular joint, Acromioclavicular joint, Carpometacarpal joints & Metacarpophalangeal joint 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	AN13.6 Identify & 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	AN13.8 Describe development of upper limb
01 - 02pm	Lunch		Lunch			
02 - 03pm				SGD/Tutorial Erythropoiesis (P)	Practical/Demonstration RBC count (P)	

03 - 04pm	(PY-3.18) Velocity of nerve impulse - P Revision of Haematology practicals - P BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum. Demonstrate the estimation of Urea (B)	PH.2.15 Revision of Amphibian Practicals - P Absolute count, Arneth count - P BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum. Demonstrate the estimation of Urea (B)	PH.2.15 Revision of Amphibian Practicals - P Absolute count, Arneth count - P BI11.9 A Demonstrate the estimation of serum total cholesterol Demonstrate the estimation of Cholesterol (B)	SGD/Tutorial Other metabolism pathway of CHB (B)	Practical/Demonstration- BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •pHmeter•Paper chromatography of amino acid•Protein electrophoresis•TLC, PAGE•Electrolyte analysis by ISE•ABG analyzer•ELISA•Immunodiffusion•Autoanalyser•Quality control•DNA isolation from blood/ tissue TLC, PAGE (B)	Physiology (SGD/ECE/SDL) Oedema-2 (P) SDL Nucleus of Mammalian cell (P)
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Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	06.11.2023	07.11.2023	08.11.2023	09.11.2023	10.11.2023	11.11.2023
09-10am	Diwali Vacation					
10 - 11am						
11 - 01pm						
01 - 02pm						
02 - 03pm						
03 - 04pm						

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	13.11.2023	14.11.2023	15.11.2023	16.11.2023	17.11.2023	18.11.2023
09-10am	Diwali Vacation			<p>PY5.4 Describe generation, conduction of cardiac impulse Conducting system of heart</p>	<p>BI3.4 C Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt). HMP Shunt & their significance, importance of pentoses and NADPH & G6PD deficiency (VI- General Medicine)</p>	<p>PY5.5 & PY5.6 Describe the physiology of electrocardiogram (E.C.G), its applications and the cardiac axis Electrocardiogram (E.C.G)-1 (VI- General Medicine) & Describe abnormal ECG, arrhythmias, heart block and myocardial Infarction</p>
10 - 11am				<p>AN14.1 Identify the given bone, its side, important features & keep it in anatomical position AN 14.2 Identify & describe joints formed by the given bone AN14.3 Describe the importance of ossification of lower end of femur & upper end of tibia</p>	<p>AN14.4 Identify and name various bones in the articulated foot with individual muscle attachment</p>	<p>AN15.1 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh</p>

11 - 01pm		AN14.1 Identify the given bone, its side, important features & keep it in anatomical position AN 14.2 Identify & describe joints formed by the given bone AN14.3 Describe the importance of ossification of lower end of femur & upper end of tibia	AN14.4 Identify and name various bones in the articulated foot with individual muscle attachment	AN15.1 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh
01 - 02pm		Lunch		
02 - 03pm		SGD/Tutorial Neurotransmitters (P)	Practical/Demonstraion Focusing of Nuetrophil (P)	
03 - 04pm		SGD/Tutorial Alfa & other oxidation of Fatty Acid. (B)	Practical/Demo. - BI11.3 Describe the chemical components of normal urine. Describe the normal constituents of Urine (B)	PSM

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	20.11.2023	21.11.2023	22.11.2023	23.11.2023	24.11.2023	25.11.2023
09-10am	<p>PY5.5 & PY5.6 Describe the physiology of electrocardiogram (E.C.G), its applications and the cardiac axis</p> <p>Electrocardiogram (E.C.G)-1 (VI- General Medicine) & Describe abnormal ECG, arrhythmias, heart block and myocardial Infarction</p>	<p>PY3.9 Describe the molecular basis of muscle contraction in skeletal and in smooth muscles</p> <p>Muscle contraction & PY3.10 Type of muscle contraction & PY3.11 Muscle metabolism (HI-Biochemistry) & PY3.12 Gradation of muscular activity (VI- General Medicine)</p>	<p>BI3.4 D Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt).</p> <p>Gluconeogenesis , its importance & regulations (VI- General Medicine)</p>	<p>PY6.5 & PY6.7 Describe and discuss lung function tests & their clinical significance</p> <p>Lung function tests -I</p>	<p>BI3.8 Discuss and interpret laboratory results of analytes associated with metabolism of carbohydrates</p> <p>BI3.9 Discuss the mechanism and significance of blood glucose regulation in health and disease.</p> <p>BI3.10 Interpret the results of blood glucose levels and other laboratory investigations related to disorders of carbohydrate metabolism. Blood glucose regulation & DM (VI- Pathology, General Medicine)</p>	<p>PY6.5 & PY6.7 Describe and discuss lung function tests & their clinical significance</p> <p>Lung function tests-II</p>

10 - 11am	AN15.2 Describe and demonstrate major muscles with their attachment, nerve supply and actions	AN15.3 Describe and demonstrate boundaries, floor, roof and contents of femoral triangle AN15.4 Explain anatomical basis of Psoas abscess & Femoral hernia	AN15.5 Describe and demonstrate adductor canal with its content	Describe and discuss lung function tests & their clinical significance	AN16.4 Describe and demonstrate the hamstrings group of muscles with their attachment, nerve supply and actions AN16.5 Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels on the back of thigh	AN16.6 Describe and demonstrate the boundaries, roof, floor, contents and relations of popliteal fossa
11 - 01pm	AN15.2 Describe and demonstrate major muscles with their attachment, nerve supply and actions	AN15.3 Describe and demonstrate boundaries, floor, roof and contents of femoral triangle AN15.4 Explain anatomical basis of Psoas abscess & Femoral hernia	AN15.5 Describe and demonstrate adductor canal with its content	Lung function tests -I	AN16.4 Describe and demonstrate the hamstrings group of muscles with their attachment, nerve supply and actions AN16.5 Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels on the back of thigh	AN16.6 Describe and demonstrate the boundaries, roof, floor, contents and relations of popliteal fossa
01 - 02pm	Lunch		Lunch			

02 - 03pm	Frog's heart beat & effect of temperature - P (PY-2.12) Packed cell volume & ESR - P	Frog's heart beat & effect of temperature - P (PY-2.12) Packed cell volume & ESR - P	Frog's heart beat & effect of temperature - P (PY-2.12) Packed cell volume & ESR - P	SGD/Tutorial Neurotransmitters-2 (P)	Practical/Demonstraion Focusing of Nuetrophi-2 (P)	PSM
03 - 04pm	BI11.9 A Demonstrate the estimation of serum total cholesterol Demonstrate the estimation of Cholesterol (B)	BI11.9 A Demonstrate the estimation of serum total cholesterol Demonstrate the estimation of Cholesterol (B)	BI11.9 A Demonstrate the estimation of serum total cholesterol Demonstrate the estimation of Cholesterol (B)	SGD/Tutorial Lipid Metabolism (B)	Practical/Demonstration FA- Carbohydrate chem. & Metab. (B)	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	27.11.2023	28.11.2023	29.11.2023	30.11.2023	01.12.2023	02.12.2023
09-10am	PY5.7 & PY5.8 Describe and discuss haemodynamics of circulatory system Haemodynamics -I	PY5.7 & PY5.8 Describe and discuss haemodynamics of circulatory system-ii	BI4.1 A 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. Lipid Chemistry I, its classification & functions (VI- General Medicine)	PY6.7 Describe and discuss lung function tests & their clinical significance Regulation of respiration	BI4.1 A 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. Lipid Chemistry I, its classification & functions (VI- General Medicine)	PY6.6 Describe and discuss the pathophysiology of dyspnoea, hypoxia, cyanosis asphyxia; drowning, periodic breathing Applied Physiology of Respiratory system

10 - 11am	Describe and discuss haemodynamics of circulatory system	Haemodynamics -I	AN18.1 Describe and demonstrate major muscles of anterior compartment of leg with their attachment, nerve supply and actions	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 joint AN18.6 Describe knee joint injuries with its applied anatomy AN18.7 Explain anatomical basis of Osteoarthritis	AN19.1 Describe and demonstrate the major muscles of back of leg with their attachment, nerve supply and actions AN19.3 Explain the concept of "Peripheral heart" AN19.4 Explain the anatomical basis of rupture of calcaneal tendon
11 - 01pm	Haemodynamics -I	AN18.1 Describe and demonstrate major muscles of anterior compartment of leg with their attachment, nerve supply and actions	AN18.1 Describe and demonstrate major muscles of anterior compartment of leg with their attachment, nerve supply and actions	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 joint AN18.6 Describe knee joint injuries with its applied anatomy AN18.7 Explain anatomical basis of Osteoarthritis	AN19.1 Describe and demonstrate the major muscles of back of leg with their attachment, nerve supply and actions AN19.3 Explain the concept of "Peripheral heart" AN19.4 Explain the anatomical basis of rupture of calcaneal tendon
01 - 02pm	Lunch			Lunch		
02 - 03pm	(PY-3.18) Effect of Stannius ligatures - P (PY-2.11) Blood indices & related calculations - P	(PY-3.18) Effect of Stannius ligatures - P (PY-2.11) Blood indices & related calculations - P	(PY-3.18) Effect of Stannius ligatures - P (PY-2.11) Blood indices & related calculations - P	SGD/Tutorial Difference b/w skeletal, smooth & Cardiac muscle	Practical/Demonstration Platelet count (P)	PSM
03 - 04pm	BI11.9 B Demonstrate the estimation of HDL Cholesterol(B)	BI11.9 B Demonstrate the estimation of HDL Cholesterol(B)	BI11.10 Demonstrate the estimation of Triglyceride(B)	SGD/Tutorial Lipid Chemistry (B)	Practical/Demonstration - Plasma Protein deit & their applications (B)	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	04.12.2023	05.12.2023	06.12.2023	07.12.2023	08.12.2023	09.12.2023
09-10am	<p>PY5.9 Describe the factors affecting heart rate, regulation of cardiac output & blood pressure Heart rate</p>	<p>PY6.4 Describe and discuss the physiology of high altitude and deep sea Diving Physiology of high altitude</p>	<p>BI4.1 B 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. Lipid Chemistry II- phospholipids its classification, glycolipids lipoproteins & steroids (VI- General Medicine)</p>	<p>PY5.9 Describe the factors affecting heart rate, regulation of cardiac output & blood pressure Cardiac output</p>	<p>BI4.1 B 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. Lipid Chemistry II- phospholipids its classification, glycolipids lipoproteins & steroids (VI- General Medicine)</p>	<p>PY5.10 Describe & discuss regional circulation including microcirculation, lymphatic circulation, coronary, cerebral, capillary, skin, foetal, pulmonary and splanchnic circulation Lymphatic circulation (VI- General Medicine)</p>
10 - 11am	<p>AN19.2 Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of leg</p>	<p>AN19.5 Describe factors maintaining importance arches of the foot with its importance AN19.6 Explain the anatomical basis of Flat foot & Club foot AN19.7 Explain the anatomical basis of Metatarsalgia & Plantar fasciitis</p>	<p>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</p>	<p>AN20.2 Describe the subtalar and transverse tarsal joints</p>	<p>AN20.3 Describe and demonstrate Fascia lata, Venous drainage, Lymphatic drainage, Retinacula & Dermatomes of lower limb</p>	<p>AN20.4 Explain anatomical basis of enlarged inguinal lymph nodes AN20.5 Explain anatomical basis of varicose veins and deep vein thrombosis</p>

11 - 01pm	AN19.2 Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of leg	AN19.5 Describe factors maintaining importance arches of the foot with its importance AN19.6 Explain the anatomical basis of Flat foot & Club foot AN19.7 Explain the anatomical basis of Metatarsalgia & Plantar fasciitis	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	AN20.2 Describe the subtalar and transverse tarsal joints	AN20.3 Describe and demonstrate Fascia lata, Venous drainage, Lymphatic drainage, Retinacula & Dermatomes of lower limb	AN20.4 Explain anatomical basis of enlarged inguinal lymph nodes AN20.5 Explain anatomical basis of varicose veins and deep vein thrombosis
01 - 02pm	Lunch		Lunch			
02 - 03pm	Properties of cardiac muscle - P Bleeding time & clotting time - P	Properties of cardiac muscle - P Bleeding time & clotting time - P	Properties of cardiac muscle - P Bleeding time & clotting time - P	SGD/Tutorials Myopathies	Practical/Demonstration Reticulocyte count (P)	PHY SGD/ECE/SDL Oedema-2-Nucleus of Memmalian cell
03 - 04pm	BI11.10 Demonstrate the estimation of triglycerides Demonstrate the estimation of Triglyceride(B)	BI11.10 Demonstrate the estimation of triglycerides Demonstrate the estimation of Triglyceride(B)	BI11.11 Demonstrate estimation of calcium and phosphorous Demonstrate the estimation of Calcium & Phosphorus (B)	SGD - Plasma Protein diet & their applications (B)	Practical/Demonstration - Demonstraion BI11.3 Describe the chemical components of normal urine. Describe the normal constituents of Urine (B)	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	11.12.2023	12.12.2023	13.12.2023	14.12.2023	15.12.2023	16.12.2023
09-10am	PY5.10 Describe & discuss regional circulation including microcirculation, lymphatic circulation, coronary, cerebral, capillary, skin, foetal, pulmonary and splanchnic circulation Lymphatic circulation (VI- General Medicine)	PY5.10 Describe & discuss regional circulation including microcirculation, lymphatic circulation, coronary, cerebral, capillary, skin, foetal, pulmonary and splanchnic circulation Coronary circulation (VI- General Medicine)	BI4.2 Describe the processes involved in digestion and absorption of dietary lipids and also the key features of their metabolism Digestion and absorption of Lipid (VI- General Medicine)	PY5.10 Describe & discuss regional circulation including microcirculation, lymphatic circulation, coronary, cerebral, capillary, skin, foetal, pulmonary and splanchnic circulation Coronary circulation (VI- General Medicine)	□ Fatty acid oxidation (B)	PY4.1 Describe the structure and functions of digestive system Introduction of digestive system -1 (HI- Human Anatomy)

10 - 11am	AN20.6 Identify the bones and joints of lower limb seen in anteroposterior and lateral view radiographs of various regions of lower limb	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	AN20.8 Identify & demonstrate palpation of femoral, popliteal, post tibial, anti tibial & dorsalis pedis blood vessels in a simulated environment 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	AN20.10 Describe basic concept of development of lower limb	AN21.1 Identify and describe the salient features of sternum, typical rib, 1st rib and typical thoracic vertebra AN21.2 Identify & describe the features of 2nd, 11th and 12th ribs, 1st, 11th and 12th thoracic vertebrae	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
11 - 01pm	AN20.6 Identify the bones and joints of lower limb seen in anteroposterior and lateral view radiographs of various regions of lower limb	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	AN20.8 Identify & demonstrate palpation of femoral, popliteal, post tibial, anti tibial & dorsalis pedis blood vessels in a simulated environment 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	AN20.10 Describe basic concept of development of lower limb	AN21.1 Identify and describe the salient features of sternum, typical rib, 1st rib and typical thoracic vertebra AN21.2 Identify & describe the features of 2nd, 11th and 12th ribs, 1st, 11th and 12th thoracic vertebrae	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

01 - 02pm	Lunch		Lunch			
02 - 03pm	Examination of pulse & finger plethysmography - P BI11.11	Examination of pulse & finger plethysmography - P BI11.11	Examination of pulse & finger plethysmography - P BI11.12 Demonstrate the estimation of serum bilirubin Demonstrate the estimation of Serum Bilirubin (B)	SGD/Tutorial SA node (P)	Practical/Demonstraion Ion Prothrombin time (P)	PSM
03 - 04pm	Demonstrate estimation of calcium and phosphorous Demonstrate the estimation of Calcium & Phosphorus (B)	Demonstrate estimation of calcium and phosphorous Demonstrate the estimation of Calcium & Phosphorus (B)		SGD Disorerds of cholestrol metabolism (B)	Practical/Demonstraion - Branched Chain Amino Acid (B)	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	18.12.2023	19.12.2023	20.12.2023	21.12.2023	22.12.2023	23.12.2023
09-10am	PY5.10 Describe & discuss regional circulation including microcirculation, lymphatic circulation, coronary, cerebral, capillary, skin, foetal, pulmonary and splanchnic circulation Pulmonary circulation-1 (VI- General Medicine)	PY5.10 Describe & discuss regional circulation including microcirculation, lymphatic circulation, coronary, cerebral, capillary, skin, foetal, pulmonary and splanchnic circulation Pulmonary circulation-2 (VI- General Medicine)	Metabolism of Ketone body (B)	PY4.1 Describe the structure and functions of digestive system Introduction of digestive system-2 (HI- Human Anatomy)	Synthesis of Fatty acid & its regulation (B)	PY5.10 Describe & discuss regional circulation including microcirculation, lymphatic circulation, coronary, cerebral, capillary, skin, foetal, pulmonary and splanchnic circulation Pulmonary circulation-2 (VI- General Medicine)

10 - 11am	<p>AN21.5 Describe & demonstrate origin, course, relations and branches of a typical intercostal nerve</p> <p>AN21.6 Mention origin, course and branches/ tributaries of:</p> <ol style="list-style-type: none"> 1) anterior & posterior intercostal vessels 2) internal thoracic vessels 	<p>AN21.7 Mention the origin, course, relations and branches of</p> <ol style="list-style-type: none"> 1) atypical intercostal nerve 2) superior intercostal artery, subcostal artery 	<p>AN21.8 Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints</p> <p>AN21.9 Describe & demonstrate mechanics and types of respiration</p> <p>AN21.10 Describe costochondral and interchondral joints</p>	<p>AN21.11 Mention boundaries and contents of the superior, anterior, middle and posterior mediastinum</p>	<p>AN22.1 Describe & demonstrate subdivisions, sinuses in pericardium, blood supply and nerve supply of pericardium</p>	<p>AN22.2 Describe & demonstrate external and internal features of each chamber of heart</p>
11 - 01pm	<p>AN21.5 Describe & demonstrate origin, course, relations and branches of a typical intercostal nerve</p> <p>AN21.6 Mention origin, course and branches/ tributaries of:</p> <ol style="list-style-type: none"> 1) anterior & posterior intercostal vessels 2) internal thoracic vessels 	<p>AN21.7 Mention the origin, course, relations and branches of</p> <ol style="list-style-type: none"> 1) atypical intercostal nerve 2) superior intercostal artery, subcostal artery 	<p>AN21.8 Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints</p> <p>AN21.9 Describe & demonstrate mechanics and types of respiration</p> <p>AN21.10 Describe costochondral and interchondral joints</p>	<p>AN21.11 Mention boundaries and contents of the superior, anterior, middle and posterior mediastinum</p>	<p>AN22.1 Describe & demonstrate subdivisions, sinuses in pericardium, blood supply and nerve supply of pericardium</p>	<p>AN22.2 Describe & demonstrate external and internal features of each chamber of heart</p>
01 - 02pm	Lunch		Lunch			
02 - 03pm				SGD/Tutorial Surfactant of lung (P)	Practical/Demonstraion Anti-Coagulant (P)	

03 - 04pm	Arterial blood pressure - P Revision of Haematology practical - BI11.12 Demonstrate the estimation of serum bilirubin Demonstrate the estimation of Serum Bilirubin (B)	Arterial blood pressure - P Revision of Haematology practical - BI11.12 Demonstrate the estimation of serum bilirubin Demonstrate the estimation of Serum Bilirubin (B)	Arterial blood pressure - P Revision of Haematology practical - BI11.13 Demonstrate the estimation of SGOT/ SGPT Demonstrate the estimation of SGOT (B)	SGD - Protien structure (B)	Practical/Demonstraion BI11.16 BI11.4 Perform urine analysis to estimate and determine normal and abnormal constituents study of abnormal constituents of Urine (B)	PSM
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Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	25.12.2023	26.12.2023	27.12.2023	28.12.2023	29.12.2023	30.12.2023
09-10am		PY5.10 Describe & discuss regional circulation including microcirculation, lymphatic circulation, coronary, cerebral, capillary, skin, foetal, pulmonary and splanchnic circulation Pulmonary circulation-2 (VI- General Medicine)	BI4.3 Explain the regulation of lipoprotein metabolism & associated disorders BI4.4 Describe the structure and functions of lipoproteins, their functions, interrelations & relations with atherosclerosis Lipoprotein metabolism and its transport (VI- General Medicine) (B)	PY4.2 Describe the composition, mechanism of secretion, functions, and regulation of saliva, gastric, pancreatic, intestinal juices and bile secretion Saliva & Gastric juice (VI- General Medicine)-1	Cholesterol Metabolism I Cholesterol biosynthesis, degradation of cholesterol & hyper & hypocholesterolemia (B)	PY4.2 Describe the composition, mechanism of secretion, functions, and regulation of saliva, gastric, pancreatic, intestinal juices and bile secretion Saliva & Gastric juice (VI- General Medicine)-2

10 - 11am	Christmas Day	<p>AN22.3 Describe & demonstrate origin, course and branches of coronary arteries AN22.4 Describe anatomical basis of ischaemic heart disease AN22.5 Describe & demonstrate the formation, course, tributaries and termination of coronary sinus</p>	AN22.6 Describe the fibrous skeleton of heart	AN22.7 Mention the parts, position and arterial supply of the conducting system of heart	AN23.1 Describe & demonstrate the external appearance, relations, blood supply, nerve supply, lymphatic drainage and applied anatomy of oesophagus	<p>AN23.2 Describe & demonstrate the extent, relations tributaries of thoracic duct and enumerate its applied anatomy AN23.3 Describe & demonstrate origin, course, relations, tributaries and termination of superior venacava, azygos, hemiazygos and accessory hemiazygos vein sAN23.7 Mention the extent, relations and applied anatomy of lymphatic duct</p>
11 - 01pm		<p>AN22.3 Describe & demonstrate origin, course and branches of coronary arteries AN22.4 Describe anatomical basis of ischaemic heart disease AN22.5 Describe & demonstrate the formation, course, tributaries and termination of coronary sinus</p>	AN22.6 Describe the fibrous skeleton of heart	AN22.7 Mention the parts, position and arterial supply of the conducting system of heart	AN23.1 Describe & demonstrate the external appearance, relations, blood supply, nerve supply, lymphatic drainage and applied anatomy of oesophagus	<p>AN23.2 Describe & demonstrate the extent, relations tributaries of thoracic duct and enumerate its applied anatomy AN23.3 Describe & demonstrate origin, course, relations, tributaries and termination of superior venacava, azygos, hemiazygos and accessory hemiazygos vein sAN23.7 Mention the extent, relations and applied anatomy of lymphatic duct</p>
01 - 02pm		Lunch				

02 - 03pm		Clinical Examination in general - P (PY- 6.8)(PY-6.10) Spirometry - P BI11.13 Demonstrate the estimation of SGOT/ SGPT Demonstrate the estimation of SGOT (B)	Clinical Examination in general - P (PY- 6.8)(PY-6.10) Spirometry - P BI11.13 Demonstrate the estimation of SGOT/ SGPT Demonstrate the estimation of SGOT (B)	SGD/Tutorial Cardiac Output	Practical/Demonstraion Cardiac cycle	PSM
03 - 04pm				SGD - Protien structure (B)	Practical/Demonstraion BI11.16 BI11.4 Perform urine analysis to estimate and determine normal and abnormal constituents study of abnormal constituents of Urine (B)	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	01.01.2024	02.01.2024	03.01.2024	04.01.2024	05.01.2024	06.01.2024
09-10am	I Sessional Examination					
10 - 11am						
11 - 01pm						
01 - 02pm						
02 - 03pm						
03 - 04pm						

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	08.01.2024	09.01.2024	10.01.2024	11.01.2024	12.01.2024	13.01.2024
09-10am	<p>PY5.10 Describe & discuss regional circulation including microcirculation, lymphatic circulation, coronary, cerebral, capillary, skin, foetal, pulmonary and splanchnic circulation Skin & Splanchnic circulation (VI- General Medicine)</p>	<p>PY5.10 Describe & discuss regional circulation including microcirculation, lymphatic circulation, coronary, cerebral, capillary, skin, foetal, pulmonary and splanchnic circulation Foetal circulation (VI- General Medicine)</p>	<p>BI4.5 Interpret laboratory results of analytes associated with metabolism of lipids BI4.6 Interpret laboratory results of analytes associated with metabolism of lipids. Cholesterol Metabolism II Cholesterol biosynthesis, degradation of cholesterol & hyper & hypocholesterolemia (VI- General Medicine)(B)</p>			
10 - 11am	<p>AN23.4 Mention the extent, branches and relations of arch of aorta & descending thoracic aorta</p>	<p>AN23.5 Identify & Mention the location and extent of thoracic sympathetic chain AN23.6 Describe the splanchnic nerves</p>	<p>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</p>			

11 - 01pm	AN23.4 Mention the extent, branches and relations of arch of aorta & descending thoracic aorta	AN23.5 Identify & Mention the location and extent of thoracic sympathetic chain AN23.6 Describe the splanchnic nerves	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	I Sessional Examination (Practical)
01 - 02pm	Lunch		Lunch	
02 - 03pm	Clinical Examination in general - P (PY- 6.8)(PY-6.10) Spirometry - P BI11.13 Demonstrate the estimation of SGOT/ SGPT Demonstrate the estimation of SGOT (B)	(PY- 3.18) Effect of vagus/crescent stimulation on frog's heart-P (PY-3.15)(PY-3.16) Cardiac efficiency tests - P BI11.13 Demonstrate the estimation of SGOT/ SGPT Demonstrate the estimation of SGOT (B)	(PY- 3.18) Effect of vagus/crescent stimulation on frog's heart-P (PY-3.15)(PY-3.16) Cardiac efficiency tests - P BI11.13 Demonstrate the estimation of SGOT/ SGPT Demonstrate the estimation of SGOT (B)	
03 - 04pm				

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	15.01.2024	16.01.2024	17.01.2024	18.01.2024	19.01.2024	20.01.2024
09-10am	on (Practical)		Chemistry of Amino acid- classification, properties and structures (B)	PY4.2 Describe the composition, mechanism of secretion, functions, and regulation of saliva, gastric, pancreatic, intestinal juices and bile secretion Pancreatic & Intestinal juice (HI- Biochemistry)	BI5.2 Describe and discuss functions of proteins and structure- function relationships in relevant areas eg, hemoglobin and selected hemoglobinopathies chemistry of protein- classifications, properties, functions (VI- Pathology, General Medicine) (HI- Physiology) (B)	PY5.11 Describe the patho- physiology of shock, syncope and heart failure Shock
10 - 11am			AN24.2 Identify side, external features and relations of structures which form root of lung & bronchial tree and their clinical correlate AN24.3 Describe a bronchopulmonary segment	AN24.4 Identify phrenic nerve & describe its formation & distribution AN24.5 Mention the blood supply, lymphatic drainage and nerve supply of lungs AN24.6 Describe the extent, length, relations, blood supply, lymphatic drainage and nerve supply of trachea	AN25.1 Identify, draw and label a slide of trachea and lung AN25.2 Describe development of pleura, lung & heart	AN25.3 Describe fetal circulation and changes occurring at birth

11 - 01pm	I Sessional Examinati	AN24.2 Identify side, external features and relations of structures which form root of lung & bronchial tree and their clinical correlate AN24.3 Describe a bronchopulmonary segment	AN24.4 Identify phrenic nerve & describe its formation & distribution AN24.5 Mention the blood supply, lymphatic drainage and nerve supply of lungs AN24.6 Describe the extent, length, relations, blood supply, lymphatic drainage and nerve supply of trachea	AN25.1 Identify, draw and label a slide of trachea and lung AN25.2 Describe development of pleura, lung & heart	AN25.3 Describe fetal circulation and changes occurring at birth
01 - 02pm		Lunch			
02 - 03pm		(PY- 3.18) Effect of vagus/crescent stimulation on frog's heart- P (PY-3.15)(PY-3.16) Cardiac efficiency tests - P BI11.13 Demonstrate the estimation of SGOT/ SGPT Demonstrate the estimation of SGPT (B)	SGD/Tutorial Regulation of BP	Practical/Demonstraion Plethysmography	Physiology (SGD/ECE/SDL) Metabolic Acidosis (P) SDL Osmosis (P)
03 - 04pm			SGD - Protien structure (B)	Practical/Demonstraion BI11.16 BI11.4 Perform urine analysis to estimate and determine normal and abnormal constituents study of abnormal constituents of Urine (B)	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	22.01.2024	23.01.2024	24.01.2024	25.01.2024	26.01.2024	27.01.2024
09-10am	PY5.11 Describe the patho-physiology of shock, syncope and heart failure Heart failure-1	PY5.11 Describe the patho-physiology of shock, syncope and heart failure Heart failure-2	BI5.1 Describe and discuss structural organization of proteins. Chemistry of Protein different levels structures of protein (B)	PY4.3 Describe GIT movements, regulation and functions. Describe defecation reflex. Explain role of dietary fibre. GIT movements		PY8.6 Describe & differentiate the mechanism of action of steroid, protein and amine hormones Mechanism of action of Hormones-2
10 - 11am	AN25.4 Describe embryological basis of: 1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy & 4) tracheo-oesophageal fistula AN25.5 Describe developmental basis of congenital anomalies, transposition of great vessels, dextrocardia, patent ductus arteriosus and coarctation of aorta	AN25.4 Describe embryological basis of: 1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy & 4) tracheo-oesophageal fistula AN25.5 Describe developmental basis of congenital anomalies, transposition of great vessels, dextrocardia, patent ductus arteriosus and coarctation of aorta	AN25.6 Mention development of aortic arch arteries, SVC, IVC and coronary sinus	AN25.7 Identify structures seen on a plain x-ray chest (PA view) AN25.8 Identify and describe in brief a barium swallow AN25.9 Demonstrate surface marking of lines of pleural reflection, lung borders and fissures, trachea, heart borders, apex beat & surface projection of valves of heart		AN26.1 Demonstrate anatomical position of skull, Identify and locate individual skull bones in skull

11 - 01pm	AN25.4 Describe embryological basis of: 1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy & 4) tracheo-oesophageal fistula AN25.5 Describe developmental basis of congenital anomalies, transposition of great vessels, dextrocardia, patent ductus arteriosus and coarctation of aorta	AN25.4 Describe embryological basis of: 1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy & 4) tracheo-oesophageal fistula AN25.5 Describe developmental basis of congenital anomalies, transposition of great vessels, dextrocardia, patent ductus arteriosus and coarctation of aorta	AN25.6 Mention development of aortic arch arteries, SVC, IVC and coronary sinus	AN25.7 Identify structures seen on a plain x-ray chest (PA view) AN25.8 Identify and describe in brief a barium swallow AN25.9 Demonstrate surface marking of lines of pleural reflection, lung borders and fissures, trachea, heart borders, apex beat & surface projection of valves of heart	Republic Day	AN26.1 Demonstrate anatomical position of skull, Identify and locate individual skull bones in skull
01 - 02pm	Lunch		Lunch			
02 - 03pm	PH.3.18 Effect of drugs on frog's heart - P Revision of Clinical practicals - P	PH.3.18 Effect of drugs on frog's heart - P Revision of Clinical practicals - P	PH.3.18 Effect of drugs on frog's heart - P Revision of Clinical practicals - P	GD/Tutorial Function of Liver (P)		PSM
03 - 04pm	BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance Calculation of creatinine clearance test (B)	BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance Calculation of creatinine clearance test (B)	BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance Calculation of creatinine clearance test (B)	SGD/Tutorial protien classification (B)		

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	29.01.2024	30.01.2024	31.01.2024	01.02.2024	02.02.2024	03.02.2024
09-10am	<p>PY4.4 Describe the physiology of digestion and absorption of nutrients Digestion and absorption of nutrients (HI- Biochemistry)</p>	<p>PY4.5 & PY4.6 Describe the source of GIT hormones, their regulation and functions GIT hormones-1</p>	<p>BI5.3 Describe the digestion and absorption of dietary proteins. Digestion and absorption of Protein (VI-Pediatrics) (B)</p>	<p>PY4.5 & PY4.6 Describe the source of GIT hormones, their regulation and functions GIT hormones-2</p>	<p>Mechanism of Transamination and Deamination (B)</p>	<p>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 Pituitary gland-1</p>
10 - 11am	<p>AN26.2 Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis</p>	<p>AN26.3 Describe cranial cavity, its subdivisions, foramina and structures passing through them</p>	<p>AN26.4 Describe morphological features of mandible</p>	<p>AN26.5 Describe features of typical and atypical cervical vertebrae (atlas and axis) AN26.6 Explain the concept of bones that ossify in membrane AN26.7 Describe the features of the 7th cervical vertebra</p>	<p>AN27.1 Describe the layers of scalp, its blood supply, its nerve supply and surgical importance AN27.2 Describe emissary veins with its role in spread of infection from extracranial route to intracranial venous sinuses</p>	<p>AN28.1 Describe & demonstrate muscles of facial expression and their nerve supply AN28.2 Describe sensory innervation of face 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</p>

11 - 01pm	AN26.2 Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	AN26.3 Describe cranial cavity, its subdivisions, foramina and structures passing through them	AN26.4 Describe morphological features of mandible	AN26.5 Describe features of typical and atypical cervical vertebrae (atlas and axis) AN26.6 Explain the concept of bones that ossify in membrane AN26.7 Describe the features of the 7th cervical vertebra	AN27.1 Describe the layers of scalp, its blood supply, its nerve supply and surgical importance AN27.2 Describe emissary veins with its role in spread of infection from extracranial route to intracranial venous sinuses	AN28.1 Describe & demonstrate muscles of facial expression and their nerve supply AN28.2 Describe sensory innervation of face 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
01 - 02pm	Lunch		Lunch			
02 - 03pm				SGD/Tutorial Ischaemic heart disease (P)	Practical/Demonstraion Cirrhosis of liver (P)	

03 - 04pm	Perfusion of amphibian heart - P (PY-5.13) Electrocardiography-Record & Analysis - P Revision BI11.22 Calculate albumin: globulin (AG) ratio and creatinine clearance Calculation of Albumin, Globuline Ratio (B)	Perfusion of amphibian heart - P (PY-5.13) Electrocardiography-Record & Analysis - P Revision BI11.22 Calculate albumin: globulin (AG) ratio and creatinine clearance Calculation of Albumin, Globuline Ratio (B)	Perfusion of amphibian heart - P (PY-5.13) Electrocardiography-Record & Analysis - P Revision BI11.22 Calculate albumin: globulin (AG) ratio and creatinine clearance Calculation of Albumin, Globuline Ratio (B)	SGD/Tutorial Urea Cycle & disorders (B)	Practical / Demonstraion BI11.16 Observe use of commonly used equipments/techniques in biochemistrylaboratory including: •pH meter•Paper chromatography of amino acid•Protein electrophoresis•TLC, PAGE•Electrolyte analysis by ISE•ABG analyzer•ELISA•Immunodiffusion•Autoanalyser•Quality control•DNA isolation from blood/ tissue ELISA(B)	PSM
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Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	05.02.2024	06.02.2024	07.02.2024	08.02.2024	09.02.2024	10.02.2024
09-10am	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 Pituitary gland-2	PY10.1 Describe and discuss the organization of nervous system Organization of nervous system (HI- Human Anatomy)	Urea Cycle- its regulations & metabolic disorders (B)	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 Pancreas-1	Amino acid I (B)	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 Pancreas-2

<p>10 - 11am</p>	<p>AN28.4 Describe & demonstrate branches of facial nerve with Explain anatomical basis of Erb's & Klumpke's palsy AN28.6 Identify superficial muscles of face, their nerve supply and actions AN28.7 Explain the anatomical basis of facial nerve palsy AN28.8 Explain surgical importance of deep facial vein</p>	<p>AN28.9 Describe & demonstrate the parts, borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical importance AN28.10 Explain the anatomical basis of Frey's syndrome</p>	<p>AN29.1 Describe & demonstrate attachments, nerve supply, relations and actions of sternocleidomastoid AN29.3 Explain anatomical basis of wry neck AN related structures</p>	<p>29.4 Describe & demonstrate attachments of 1) inferior belly of omohyoid, 2) scalenus anterior, 3) scalenus medius & 4) levator scapulae AN</p>	<p>AN30.1 Describe the cranial fossae & identify AN30.2 Describe & identify maj+B328:G329 or foramina with structures passing through them 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</p>	<p>31.1 Describe & identify extra ocular muscles of eyeball AN31.2 Describe & demonstrate nerves and vessels in the orbit AN31.3 Describe anatomical basis of Horner's syndrome AN31.4 Enumerate components of lacrimal apparatus AN31.5 Explain the anatomical basis of oculomotor, trochlear and abducent nerve palsies along with strabismus</p>
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11 - 01pm	<p>AN28.4 Describe & demonstrate branches of facial nerve with Explain anatomical basis of Erb's & Klumpke's palsy AN28.6 Identify superficial muscles of face, their nerve supply and actions AN28.7 Explain the anatomical basis of facial nerve palsy AN28.8 Explain surgical importance of deep facial vein</p>	<p>AN28.9 Describe & demonstrate the parts, borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical importance AN28.10 Explain the anatomical basis of Frey's syndrome</p>	<p>AN29.1 Describe & demonstrate attachments, nerve supply, relations and actions of sternocleidomastoid AN29.3 Explain anatomical basis of wry neck AN related structures</p>	<p>29.4 Describe & demonstrate attachments of 1) inferior belly of omohyoid, 2) scalenus anterior, 3) scalenus medius & 4) levator scapulae AN</p>	<p>AN30.1 Describe the cranial fossae & identify AN30.2 Describe & identify major foramina with structures passing through them 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</p>	<p>31.1 Describe & identify extra ocular muscles of eyeball AN31.2 Describe & demonstrate nerves and vessels in the orbit AN31.3 Describe anatomical basis of Horner's syndrome AN31.4 Enumerate components of lacrimal apparatus AN31.5 Explain the anatomical basis of oculomotor, trochlear and abducent nerve palsies along with strabismus</p>
01 - 02pm	Lunch		Lunch			
02 - 03pm				SGD/Tutorial Ischaemic heart disease2 (P)	Practical/Demonstraion Pancreatitis (P)	

03 - 04pm	Revision of Amphibian practicals (P) Cardiac efficiency tests (P) Demonstrate the estimation of alkaline phosphatase Demonstrate the estimation of Inorganic Phosphates (B)	Revision of Amphibian practicals (P) Cardiac efficiency tests (P) Demonstrate the estimation of alkaline phosphatase Demonstrate the estimation of Inorganic Phosphates (B)	Revision of Amphibian practicals (P) Cardiac efficiency tests (P) Demonstrate the estimation of alkaline phosphatase Demonstrate the estimation of Inorganic Phosphates (B)	SGD/Tutorial Aromatic amino acid (B)	Practical / Demonstration BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •pH meter•Paper chromatography of amino acid•Protein electrophoresis•TLC, PAGE•Electrolyte analysis by ISE•ABG analyzer•ELISA•Immunodiffusion•Autoanalyser•Quality control•DNA isolation from blood/ tissue Paper chromatography of amino acid Paper chromatography of amino acid(B)	Physiology (SGD/ECE/SDL) Thalassemia (P) SDL --Neutrophil (P)
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Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	12.02.2024	13.02.2024	14.02.2024	15.02.2024	16.02.2024	17.02.2024
09-10am	PY10.2 Describe and discuss the functions and properties of synapse, reflex, receptors Synapse (HI- Human Anatomy)	PY8.3 Describe the physiology of Thymus & Pineal Gland Thymus & Pineal Gland	Metabolism of aliphatic amino acid II (B)	PY10.3 Describe and discuss somatic sensations & sensory tracts Somatic sensations-1 (HI- Human Anatomy)	Metabolism of acidic amino acid (B)	PY10.3 Describe and discuss somatic sensations & sensory tracts Somatic sensations-2 (HI-Human Anatomy)

10 - 11am	AN32.1 Describe boundaries and subdivisions of anterior triangle AN32.2 Describe & demonstrate boundaries and contents of muscular, carotid, digastric and submental triangles	AN33.1 Describe & demonstrate extent, boundaries and contents of temporal and infratemporal fossae AN33.2 Describe & demonstrate attachments, direction of fibres, nerve supply and actions of muscles of mastication	AN33.3 Describe & demonstrate articulating surface, type & movements of temporomandibular joint AN33.4 Explain the clinical significance of pterygoid venous plexus AN33.5 Describe the features of dislocation of temporomandibular joint	AN34.1 Describe & demonstrate the morphology, relations and nerve supply of submandibular salivary gland & submandibular ganglion AN34.2 Describe the basis of formation of submandibular stones	AN35.1 Describe the parts, extent, attachments, modifications of deep cervical fascia	AN35.2 Describe & demonstrate location, parts, borders, surfaces, relations & blood supply of thyroid gland
11 - 01pm	AN32.1 Describe boundaries and subdivisions of anterior triangle AN32.2 Describe & demonstrate boundaries and contents of muscular, carotid, digastric and submental triangles	AN33.1 Describe & demonstrate extent, boundaries and contents of temporal and infratemporal fossae AN33.2 Describe & demonstrate attachments, direction of fibres, nerve supply and actions of muscles of mastication	AN33.3 Describe & demonstrate articulating surface, type & movements of temporomandibular joint AN33.4 Explain the clinical significance of pterygoid venous plexus AN33.5 Describe the features of dislocation of temporomandibular joint	AN34.1 Describe & demonstrate the morphology, relations and nerve supply of submandibular salivary gland & submandibular ganglion AN34.2 Describe the basis of formation of submandibular stones	AN35.1 Describe the parts, extent, attachments, modifications of deep cervical fascia	AN35.2 Describe & demonstrate location, parts, borders, surfaces, relations & blood supply of thyroid gland
01 - 02pm	Lunch		Lunch			
02 - 03pm				SGD/Tutorial Regulation of thyroid hormones (P)	Practical/Demonstraion PEFR (P)	

03 - 04pm	(PY-5.15) Clinical Examination of cardiovascular system (P) BI11.3 Describe the chemical components of normal urine. Analysis of normal constituents of urine (B)	(PY-5.15) Clinical Examination of cardiovascular system (P) BI11.3 Describe the chemical components of normal urine. Analysis of normal constituents of urine (B)	(PY-5.15) Clinical Examination of cardiovascular system (P) BI11.3 Describe the chemical components of normal urine. Analysis of normal constituents of urine (B)	SGD/Tutorial Calcium & Phosphorus (VI- General Medicine) (B)	Practical / Demonstraion BI11.16 Observe use of commonly used equipments/techniques in biochemistrylaboratory including: •pH meter•Paper chromatography of amino acid•Protein electrophoresis•TLC, PAGE•Electrolyte analysis by ISE•ABG analyzer•ELISA•Immunodif fusion•Autoanalyser•Quality control•DNA isolation from blood/ tissue Paper chromatography of amino acid Paper chromatography of amino acid(B)	PSM
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Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	19.02.2024	20.02.2024	21.02.2024	22.02.2024	23.02.2024	24.02.2024
09-10am	PY10.4 Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus Motor tracts (HI-Human Anatomy)	PY7.1 Describe structure and function of kidney Kidney-1	BI6.9 A Describe the functions of various minerals in the body, their metabolismand homeostasis. Mineral Metabolism I (VI- Physiology) (B)	PY7.1 Describe structure and function of kidney Kidney-2	BI6.9 B Describe the functions of various minerals in the body, their metabolismand homeostasis. BI6.10 B Enumerate and describe the disorders associated with mineralmetabolism. Mineral Metabolism I macromolecules (HI- Physiology) (B)	PY7.1 Describe structure and function of kidney Kidney-3

10 - 11am	AN35.3 Demonstrate & describe the origin, parts, course & branches subclavian artery	AN35.5 Describe and demonstrate extent, drainage & applied anatomy of cervical lymph nodes	AN35.6 Describe and demonstrate the extent, formation, relation & branches of cervical sympathetic chain	ECE: FASCIAL SPACES IN THE NECK CLINICAL IMPORTANCE	AN35.7 Describe the course and branches of IX, X, XI & XII nerve in the neck	AN35.8 Describe the anatomically relevant clinical features of Thyroid swellings
11 - 01pm	AN35.3 Demonstrate & describe the origin, parts, course & branches subclavian artery	AN35.5 Describe and demonstrate extent, drainage & applied anatomy of cervical lymph nodes	AN35.6 Describe and demonstrate the extent, formation, relation & branches of cervical sympathetic chain	ECE: FASCIAL SPACES IN THE NECK CLINICAL IMPORTANCE	AN35.7 Describe the course and branches of IX, X, XI & XII nerve in the neck	AN35.8 Describe the anatomically relevant clinical features of Thyroid swellings
01 - 02pm	Lunch					
02 - 03pm	(PY-6.9) Clinical examination of respiratory system (P) Stethography (P)	(PY-6.9) Clinical examination of respiratory system (P) Stethography (P)	(PY-6.9) Clinical examination of respiratory system (P) Stethography (P)	SGD/Tutorial Function of bile (P)	Practical/Demonstraion deep sea diving (P)	PSM
03 - 04pm	BI11.4 Perform urine analysis to estimate and determine normal and abnormal Analysis of abnormal constituents of urine (B)	BI11.4 Perform urine analysis to estimate and determine normal and abnormal Analysis of abnormal constituents of urine (B)	BI11.4 Perform urine analysis to estimate and determine normal and abnormal Analysis of abnormal constituents of urine (B)	SGD/Tutorial Mineral Metabolism (VI- General Medicine) (B)	Practical/Demonstraion Demonstraion BI11.6 Describe the principles of colorimetry Describe the colorimetry	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	26.02.2024	27.02.2024	28.02.2024	29.02.2024	01.03.2024	02.03.2024
09-10am	PY10.4 Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus Maintenance of tone & control of body movements (HI-Human Anatomy)	PY10.4 Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus Body posture and equilibrium (HI-Human Anatomy)	BI6.9 A Describe the functions of various minerals in the body, their metabolism and homeostasis. Mineral Metabolism I (VI- Physiology) (B)	PY7.2 Describe the structure and functions of juxta glomerular apparatus and role of renin-angiotensin system Juxta glomerular apparatus	BI6.9 B Describe the functions of various minerals in the body, their metabolism and homeostasis. BI6.10 B Enumerate and describe the disorders associated with mineral metabolism. Mineral Metabolism I macromolecules (HI- Physiology) (B)	PY10.5 Describe and discuss structure and functions of reticular activating system, autonomic nervous system (ANS) Reticular activating System (HI-Human Anatomy)

10 - 11am	AN35.9 Describe the clinical features of compression of subclavian artery and lower trunk of brachial plexus by cervical rib AN35.10 Describe the fascial spaces of neck	AN36.1 Describe the 1) morphology, relations, blood supply and applied anatomy of palatine tonsil 2) composition of soft palate	AN36.2 Describe the components and functions of Waldeyer's lymphatic ring 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 AN36.5 Describe the clinical significance of Killian's dehiscence	AN37.1 Describe & demonstrate features of nasal septum, lateral wall of nose, their blood supply and nerve supply AN37.2 Describe location and functional anatomy of paranasal sinuses AN37.3 Describe anatomical basis of sinusitis & maxillary sinus tumours	AN38.1 Describe the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic muscles of the larynx AN38.2 Describe the anatomical aspects of laryngitis AN38.3 Describe anatomical basis of recurrent laryngeal nerve injury	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
11 - 01pm	AN35.9 Describe the clinical features of compression of subclavian artery and lower trunk of brachial plexus by cervical rib AN35.10 Describe the fascial spaces of neck	AN36.1 Describe the 1) morphology, relations, blood supply and applied anatomy of palatine tonsil 2) composition of soft palate	AN36.2 Describe the components and functions of Waldeyer's lymphatic ring 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 AN36.5 Describe the clinical significance of Killian's dehiscence	AN37.1 Describe & demonstrate features of nasal septum, lateral wall of nose, their blood supply and nerve supply AN37.2 Describe location and functional anatomy of paranasal sinuses AN37.3 Describe anatomical basis of sinusitis & maxillary sinus tumours	AN38.1 Describe the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic muscles of the larynx AN38.2 Describe the anatomical aspects of laryngitis AN38.3 Describe anatomical basis of recurrent laryngeal nerve injury	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
01 - 02pm	Lunch		Lunch			

02 - 03pm	(PY-3.14) Ergography (P)	(PY-3.14) Ergography (P)	(PY-3.14) Ergography (P)	SGD/Tutorial Obecity (P)	Practical/Demonstraion Tetany (P)	PSM
03 - 04pm	Artificial respiration (P) BI11.21 A Demonstrate the estimation of glucose , creatinine, Urea & total protein in serum Demonstrate the estimation of glucose (B)	Artificial respiration (P) BI11.21 A Demonstrate the estimation of glucose , creatinine, Urea & total protein in serum Demonstrate the estimation of glucose (B)	Artificial respiration (P) BI11.21 A Demonstrate the estimation of glucose , creatinine, Urea & total protein in serum Demonstrate the estimation of glucose (B)	SGD/Tutorial Vitamin B1, B2, B3 (B)	Practical/Demonstraion BI11.6 Describe the principles of colorimetry Describe the colorimetry	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	04.03.2024	05.03.2024	06.03.2024	07.03.2024	08.03.2024	09.03.2024
09-10am	PY7.3 Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption & secretion; concentration and diluting mechanism Urine fromation-1	PY7.3 Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption & secretion; concentration and diluting mechanism Urine fromation-2	BI6.9 C Describe the functions of various minerals in the body, their metabolism and homeostasis. BI6.10 C Enumerate and describe the disorders associated with mineral metabolism. Mineral Metabolism III micromolecules (VI- General Medicine) (HI- Physiology) (B)	PY7.3 Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption & secretion; concentration and diluting mechanism Urine fromation-1		PY10.5 Describe and discuss structure and functions of reticular activating system, autonomic nervous system (ANS) Autonomic nervous system (ANS)-1 (HI-Human Anatomy)

10 - 11am	<p>AN40.1 Describe & identify the parts, blood supply and nerve supply of external ear</p> <p>AN40.2 Describe & demonstrate the boundaries, contents, relations and functional anatomy of middle ear and auditory tube</p> <p>AN40.3 Describe the features of internal ear</p> <p>AN40.4 Explain anatomical basis of otitis externa and otitis media</p> <p>AN40.5 Explain anatomical basis of myringotomy</p>	<p>AN41.1 Describe & demonstrate parts and layers of eyeball</p> <p>AN41.2 Describe the anatomical aspects of cataract, glaucoma & central retinal artery occlusion</p> <p>AN41.3 Describe the position, nerve supply and actions of intraocular muscles</p>	<p>AN42.1 Describe the contents of the vertebral canal</p> <p>AN42.2 Describe & demonstrate the boundaries and contents of Suboccipital triangle</p> <p>AN42.3 Describe the position, direction of fibres, relations, nerve supply, actions of semispinalis capitis and splenius capitis</p>	<p>AN43.1 Describe & demonstrate the movements with muscles producing the movements of atlantooccipital joint & atlantoaxial joint</p> <p>AN43.2 Identify, describe and draw the microanatomy of pituitary gland, thyroid, parathyroid gland, tongue, salivary glands, tonsil, epiglottis, cornea, retina</p>		<p>AN43.3 Identify, describe and draw microanatomy of olfactory epithelium, eyelid, lip, sclero-corneal junction, optic nerve, cochlea- organ of corti, pineal gland</p>
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11 - 01pm	AN40.1 Describe & identify the parts, blood supply and nerve supply of external ear AN40.2 Describe & demonstrate the boundaries, contents, relations and functional anatomy of middle ear and auditory tube AN40.3 Describe the features of internal ear AN40.4 Explain anatomical basis of otitis externa and otitis media AN40.5 Explain anatomical basis of myringotomy	AN41.1 Describe & demonstrate parts and layers of eyeball AN41.2 Describe the anatomical aspects of cataract, glaucoma & central retinal artery occlusion AN41.3 Describe the position, nerve supply and actions of intraocular muscles	AN42.1 Describe the contents of the vertebral canal AN42.2 Describe & demonstrate the boundaries and contents of Suboccipital triangle AN42.3 Describe the position, direction of fibres, relations, nerve supply, actions of semispinalis capitis and splenius capitis	AN43.1 Describe & demonstrate the movements with muscles producing the movements of atlantooccipital joint & atlantoaxial joint AN43.2 Identify, describe and draw the microanatomy of pituitary gland, thyroid, parathyroid gland, tongue, salivary glands, tonsil, epiglottis, cornea, retina	Mahashivratri	AN43.3 Identify, describe and draw microanatomy of olfactory epithelium, eyelid, lip, sclero-corneal junction, optic nerve, cochlea- organ of corti, pineal
01 - 02pm	Lunch	Lunch				
02 - 03pm	(PY-10.11) Examination of sensory functions (P) (PY-10.20) Cranial nerves -I, III, IV, V, VI (P)	(PY-10.11) Examination of sensory functions (P) (PY-10.20) Cranial nerves -I, III, IV, V, VI (P)	(PY-10.11) Examination of sensory functions (P) (PY-10.20) Cranial nerves -I, III, IV, V, VI (P)	SGD/Tutorial Regulation of gastric juice (P)		Physiology (SGD/ECE/SDL) Neuro-musculo blockers (P) SDL -- Properties of nerve fiber (P)-1
03 - 04pm	BI11.21 B Demonstrate the estimation of glucose, creatinine, Urea & total protein in serum	BI11.21 B Demonstrate the estimation of glucose, creatinine, Urea & total protein in serum	BI11.21 B Demonstrate the estimation of glucose, creatinine, Urea & total protein in serum	SGD/Tutorial Vitamins B5, B6, B7 & Biotin (B)		

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	11.03.2024	12.03.2024	13.03.2024	14.03.2024	15.03.2024	16.03.2024

09-10am	<p>PY10.5 Describe and discuss structure and functions of reticular activating system, autonomic nervous system (ANS) Autonomic nervous system (ANS)-2 (HI-Human Anatomy)</p>	<p>PY10.5 Describe and discuss structure and functions of reticular activating system, autonomic nervous system (ANS) Autonomic nervous system (ANS)-3 (HI-Human Anatomy)</p>	<p>BI6.5 B Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency Fat soluble vitamin II vit. E & K (VI- General Medicine) (B)</p>	<p>PY7.4 Describe & discuss the significance & implication of Renal Clearance Renal clearance-1</p>	<p>BI6.5 C Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency Water Soluable Vitamin I vit.C & hematopoetic (VI- General Medicine) (B) BI6.5 D Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency Water Soluable Vitamin II B-complex vit. (VI- General Medicine) (B)</p>	<p>PY7.4 Describe & discuss the significance & implication of Renal Clearance Renal clearance-2</p>
10 - 11am	<p>AN43.4 Describe the development and developmental basis of congenital anomalies of face, palate, tongue, branchial apparatus, pituitary gland, thyroid gland & eye</p>	<p>AN43.5 Demonstrate- 1) Testing of muscles of facial expression, extraocular muscles, muscles of mastication, 2) 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</p>	<p>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</p>	<p>AN43.7 Identify the 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 AN43.8 Describe the anatomical route used for carotid angiogram and vertebral angiogram AN43.9 Identify anatomical structures in carotid angiogram and vertebral angiogram</p>	<p>AN44.1 Describe & demonstrate the Planes (transpyloric, transtuberular, subcostal, lateral vertical, linea alba, linea semilunaris), regions & Quadrants of abdomen</p>	<p>AN44.2 Describe & identify the Fascia, nerves & blood vessels of anterior abdominal wall AN44.3 Describe the formation of rectus sheath and its contents</p>

11 - 01pm	AN43.4 Describe the development and developmental basis of congenital anomalies of face, palate, tongue, branchial apparatus, pituitary gland, thyroid gland & eye	AN43.5 Demonstrate- 1) Testing of muscles of facial expression, extraocular muscles, muscles of mastication, 2) 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	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	AN43.7 Identify the 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 AN43.8 Describe the anatomical route used for carotid angiogram and vertebral angiogram AN43.9 Identify anatomical structures in carotid angiogram and vertebral angiogram	AN44.1 Describe & demonstrate the Planes (transpyloric, transtuberular, subcostal, lateral vertical, linea alba, linea semilunaris), regions & Quadrants of abdomen	AN44.4 Describe & demonstrate extent, boundaries, contents of Inguinal canal including Hesselbach's triangle. AN44.5 Explain the anatomical basis of inguinal hernia.
01 - 02pm	Lunch		Lunch			
02 - 03pm	(PY-10.11) Examination of motor functions (P)	(PY-10.11) Examination of motor functions (P)	(PY-10.11) Examination of motor functions (P)	SGD/Tutorials (/ECE/) Rh incompatibility (P)	Practical/Demonstraion/ DL Neuro-muscular transmission (P)	

03 - 04pm	(PY-10.20) Visual acuity (P) BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearanceDemonstrate the estimation of Creatinine (B)	(PY-10.20) Visual acuity (P) BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearanceDemonstrate the estimation of Creatinine (B)	functions (P) (PY-10.20) Visual acuity (P) BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearanceDemonstrate the estimation of Creatinine (B)	SGD/Tutorial Disorders of Purine Metabolism (B)	Practical/Demonstraion BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •pH meter •Paper chromatography of amino acid •Protein electrophoresis •TLC, PAGE •Electrolyte analysis by ISE •ABG analyzer	PSM
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Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	18.03.2024	19.03.2024	20.03.2024	21.03.2024	22.03.2024	23.03.2024
09-10am	PY10.6 Describe and discuss Spinal cord, its functions, lesion & sensory Disturbances Spinal Cord-1 (HI-Human Anatomy)	PY10.6 Describe and discuss Spinal cord, its functions, lesion & sensory Disturbances Spinal Cord-2 (HI-Human Anatomy)	BI6.5 E Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency Water SoluableVitamin III B-complex vit. (VI- General Medicine) (B)	PY10.6 Describe and discuss Spinal cord, its functions, lesion & sensory Disturbances Spinal Cord-3 (HI-Human Anatomy)	BI6.6 A Describe the biochemical processes involved in generation of energy in cells. Biological Oxidation - Electron transport chain & its complexes (B)	PY7.5 Describe the renal regulation of fluid and electrolytes & acid-base Balance Renal regulation of fluid and electrolytes

10 - 11am	<p>AN44.6 Describe & demonstrate attachments of muscles of anterior abdominal wall</p> <p>AN44.7 Enumerate common Abdominal incisions</p> <p>AN45.1 Describe Thoracolumbar fascia</p> <p>AN45.2 Describe & demonstrate Lumbar plexus for its root value, formation & branches</p> <p>AN45.3 Mention the major subgroups of back muscles, nerve supply and action</p>	<p>AN46.1 Describe & demonstrate coverings, internal structure, side determination, blood supply, nerve supply, lymphatic drainage & descent of testis with its applied anatomy</p> <p>AN46.2 Describe parts of Epididymis</p> <p>AN46.4 Explain the anatomical basis of Varicocoele</p>	<p>AN46.2 Describe parts of Epididymis</p> <p>AN46.3 Describe Penis under following headings: (parts, components, blood supply and lymphatic drainage)</p> <p>AN46.3 Describe Penis under following headings: (parts, components, blood supply and lymphatic drainage)</p> <p>AN46.5 Explain the anatomical basis of Phimosi & Circumcision</p>	<p>AN47.1 Describe & identify boundaries and recesses of Lesser & Greater sac</p> <p>AN47.3 Explain anatomical basis of Ascites & Peritonitis</p> <p>AN47.2 Name & identify various peritoneal folds & pouches with its explanation</p> <p>AN47.4 Explain anatomical basis of Subphrenic abscess</p>	<p>AN47.6 Explain the anatomical basis of Splenic notch, Accessory spleens, Kehr's sign, Different types of vagotomy, Liver biopsy (site of needle puncture), Referred pain in cholecystitis, Obstructive jaundice, Referred pain around umbilicus, Radiating pain of kidney to groin & Lymphatic spread in carcinoma stomach</p>	<p>AN47.7 Mention the clinical importance of Calot's triangle</p> <p>AN47.8 Describe & identify the formation, course relations and tributaries of Portal vein, Inferior vena cava & Renal vein</p>
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11 - 01pm	<p>AN44.6 Describe & demonstrate attachments of muscles of anterior abdominal wall</p> <p>AN44.7 Enumerate common Abdominal incisions</p> <p>AN45.1 Describe Thoracolumbar fascia</p> <p>AN45.2 Describe & demonstrate Lumbar plexus for its root value, formation & branches</p> <p>AN45.3 Mention the major subgroups of back muscles, nerve supply and action</p>	<p>AN46.1 Describe & demonstrate coverings, internal structure, side determination, blood supply, nerve supply, lymphatic drainage & descent of testis with its applied anatomy</p> <p>AN46.2 Describe parts of Epididymis</p> <p>AN46.4 Explain the anatomical basis of Varicocoele</p>	<p>AAN46.2 Describe parts of Epididymis</p> <p>N46.3 Describe Penis under following headings: (parts, components, blood supply and lymphatic drainage)</p> <p>AN46.3 Describe Penis under following headings: (parts, components, blood supply and lymphatic drainage)</p> <p>AN46.5 Explain the anatomical basis of Phimosi & Circumcision</p>	<p>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)</p>	<p>AN47.6 Explain the anatomical basis of Splenic notch, Accessory spleens, Kehr's sign, Different types of vagotomy, Liver biopsy (site of needle puncture), Referred pain in cholecystitis, Obstructive jaundice, Referred pain around umbilicus, Radiating pain of kidney to groin & Lymphatic spread in carcinoma stomach</p>	<p>AN47.9 Describe & identify the origin, course, important relations and branches of Abdominal aorta, Coeliac trunk, Superior mesenteric, Inferior mesenteric & Common iliac artery</p>
01 - 02pm	Lunch		Lunch			
02 - 03pm				SGD/Tutorials (/ECE/) Rh incompatibility (P)	Practical/Demonstraion/ SDL - Hemophilia (P)	

03 - 04pm	<p>(PY-10.11) Examination of motor functions (P) (PY-10.20) Visual acuity (P) BI11.10 Demonstrate the estimation of triglycerides Demonstrate the estimation of Triglyceride(B)</p>	<p>(PY-10.11) Examination of motor functions (P) (PY-10.20) Visual acuity (P) BI11.10 Demonstrate the estimation of triglycerides Demonstrate the estimation of Triglyceride(B)</p>	<p>(PY-10.11) Examination of motor functions (P) (PY-10.20) Visual acuity (P) BI11.10 Demonstrate the estimation of triglycerides Demonstrate the estimation of Triglyceride(B)</p>	<p>SGD/Tutorial Disorders of Purine Metabolism (B)</p>	<p>Practical/Demonstraion BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •pH meter •Paper chromatography of amino acid •Protein electrophoresis •TLC, PAGE •Electrolyte analysis by ISE •ABG analyzer •ELISA •Immunodiffusion •Autoanalyser •Quality control •DNA isolation from blood/ tissue Electrolyte analysis by ISE (B)</p>	PSM
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Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	25.03.2024	26.03.2024	27.03.2024	28.03.2024	29.03.2024	30.03.2024
09-10am		<p>PY7.5 Describe the renal regulation of fluid and electrolytes & acid-base Balance Acid-base Balance-1</p>	<p>BI6.6 B Describe the biochemical processes involved in generation of energy in cells. Biological Oxidation - Oxidative phosphorylation & their inhibitors (B)</p>	<p>PY7.5 Describe the renal regulation of fluid and electrolytes & acid-base Balance Acid-base Balance-2</p>	<p>Nuclotide Chemistry - Types & structures (B)</p>	<p>PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalit Cerebral cortex-1 (HI-Human Anatomy) (VI-Psychiatry)</p>

10 - 11am	Holi	AN47.10 Enumerate the sites of portosystemic anastomosis AN47.11 Explain the anatomic basis of hematemesis & caput medusae in portal hypertension	AN47.12 Describe important nerve plexuses	AN48.6 Describe the neurological basis of Automatic bladder	AN49.2 Describe & identify Perineal body	AN49.3 Describe & demonstrate Perineal membrane in male
11 - 01pm		AN47.10 Enumerate the sites of portosystemic anastomosis AN47.11 Explain the anatomic basis of hematemesis & caput medusae in portal hypertension	AN47.12 Describe important nerve plexuses	AN48.6 Describe the neurological basis of Automatic bladder	AN49.2 Describe & identify Perineal body	AN49.3 Describe & demonstrate Perineal membrane in male
01 - 02pm		Lunch				
02 - 03pm				SDL/ECE/Tutorials Blood transfusion (P)	SDL/ECE/Tutorials EMG (P)	

03 - 04pm		PY-10.20) Colour vision (P) (PY-10.20) Cranial nerves -VII (P) BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum. Demonstrate the estimation of Urea (B)	PY-10.20) Colour vision (P) (PY-10.20) Cranial nerves -VII (P) BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum. Demonstrate the estimation of Urea (B)	SGD/Tutorial Post- Transcriptional Modifications (B)	Practical/Demonstraion BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •pH meter •Paper chromatography of amino acid •Protein electrophoresis •TLC, PAGE •Electrolyte analysis by ISE •ABG analyzer •ELISA •Immunodiffusion •Autoanalyser •Quality control •DNA isolation from blood/ tissue Protein electrophoresis (B)	PSM
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Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	01.04.2024	02.04.2024	03.04.2024	04.04.2024	05.04.2024	06.04.2024
09-10am	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalit Cerebral cortex-2 (HI-Human Anatomy) (VI-Psychiatry)	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalit Cerebral cortex-2 (HI-Human Anatomy) (VI-Psychiatry)	BI7.1 Describe the structure and functions of DNA and RNA and outline the cell cycle. Nucleic Acid- Structurs & types of DNA & RNA (B)	PY7.6 Describe the innervations of urinary bladder, physiology ofmicturition and its abnormalities Physiology of micturition-1	BI6.2 A Describe and discuss the metabolic processes in which nucleotides are involved. Nuclotide Metabolism - biosynthesis & degradation of purine Nucleotides (B)	PY7.6 Describe the innervations of urinary bladder, physiology ofmicturition and its abnormalities Physiology of micturition-2

10 - 11am	AN49.4 boundaries, content & applied Ischiorectal fossa	ECE:PROLAPSE	AN50.1 Describe the curvatures of the vertebral column AN50.2 Describe & demonstrate the type, articular ends, ligaments and movements of Intervertebral joints, Sacroiliac joints & Pubic symphysis	AN50.2 Describe & demonstrate the type, articular ends, ligaments and movements of Intervertebral joints, Sacroiliac joints & Pubic symphysis	AN50.3 Describe lumbar puncture (site, direction of the needle, structures pierced during the lumbar puncture)	AN50.4 Explain the anatomical basis of Scoliosis, Lordosis, Prolapsed disc, Spondylolisthesis & Spina bifida
11 - 01pm	AN49.4 boundaries, content & applied Ischiorectal fossa	ECE:PROLAPSE	AN50.1 Describe the curvatures of the vertebral column AN50.2 Describe & demonstrate the type, articular ends, ligaments and movements of Intervertebral joints, Sacroiliac joints & Pubic symphysis	AN50.2 Describe & demonstrate the type, articular ends, ligaments and movements of Intervertebral joints, Sacroiliac joints & Pubic symphysis	AN50.3 Describe lumbar puncture (site, direction of the needle, structures pierced during the lumbar puncture)	AN50.4 Explain the anatomical basis of Scoliosis, Lordosis, Prolapsed disc, Spondylolisthesis & Spina bifida
01 - 02pm	Lunch		Lunch			
02 - 03pm	PY-10.20) Colour vision (P) (PY-10.20)	PY-10.20) Colour vision (P) (PY-10.20) Cranial nerves –VII (P)	PY-10.20) Colour vision (P) (PY-10.20) Cranial nerves –VII (P)	SDL/ECE/Tutorials Arrhythmia	SDL/ECE/Tutorials Obstructive lung diseases	

03 - 04pm	Cranial nerves -VII (P) BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum. Demonstrate the estimation of Urea (B)	Revision BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum. Demonstrate the estimation of Urea (B)	Revision BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum. Demonstrate the estimation of Urea (B)	SGD/Tutorial Genetic Code (B)	Practical/Demonstraion BI11.18 Discuss the principles of spectrophotometry. Demonstration of Spectrophotometer (B)	PSM
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Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	08.04.2024	09.04.2024	10.04.2024	11.04.2024	12.04.2024	13.04.2024
09-10am	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities Basal ganglia-1 (HI-Human Anatomy) (VI-Psychiatry)	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities Basal ganglia-2 (HI-Human Anatomy) (VI-Psychiatry)	BI6.3 Describe the common disorders associated with nucleotide metabolism. BI6.4 Discuss the laboratory results of analytes associated with gout & Lesch Nyhan syndrome. Nuclotide Metabolism - biosynthesis & degradation of Pyrimidine Nucleotides (VI- Physiology) (B)		BI7.2 A Describe the processes involved in replication & repair of DNA and thetranscription & translation mechanisms. Replication of DNA- Prokaryotes & Eukaryotes & inhibitors (B)	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities Basal ganglia-3 (HI-Human Anatomy) (VI-Psychiatry)

10 - 11am	<p>AN51.1 Describe & identify the cross-section at the level of T8, T10 and L1 (transpyloric plane)AN51.2 Describe & identify the midsagittal section of male and female pelvis</p>	<p>AN52.1 Describe & identify the microanatomical features of Gastro-intestinal system: Oesophagus, Fundus of stomach, Pylorus of stomach, Duodenum, Jejunum, Ileum, Large intestine, Appendix, Liver, Gall bladder, Pancreas & Suprarenal gland</p>	<p>AN52.2 Describe & identify the microanatomical features of: Urinary system: Kidney, Ureter & Urinary bladder Male Reproductive System: Testis, Epididymis, Vas deferens, Prostate & penis Female reproductive system: Ovary, Uterus, Uterine tube, Cervix, Placenta & Umbilical cord</p>	Id-ul-fitra	<p>AN52.3 Describe & identify the microanatomical features of Cardiooesophageal junction, Corpus luteum</p>	<p>AN52.4 Describe the development of anterior abdominal wallAN52.5 Describe the development and congenital anomalies of Diaphragm</p>
11 - 01pm	<p>AN51.1 Describe & identify the cross-section at the level of T8, T10 and L1 (transpyloric plane)AN51.2 Describe & identify the midsagittal section of male and female pelvis</p>	<p>AN52.1 Describe & identify the microanatomical features of Gastro-intestinal system: Oesophagus, Fundus of stomach, Pylorus of stomach, Duodenum, Jejunum, Ileum, Large intestine, Appendix, Liver, Gall bladder, Pancreas & Suprarenal gland</p>	<p>AN52.2 Describe & identify the microanatomical features of: Urinary system: Kidney, Ureter & Urinary bladder Male Reproductive System: Testis, Epididymis, Vas deferens, Prostate & penis Female reproductive system: Ovary, Uterus, Uterine tube, Cervix, Placenta & Umbilical cord</p>		<p>AN52.3 Describe & identify the microanatomical features of Cardiooesophageal junction, Corpus luteum</p>	<p>AN52.4 Describe the development of anterior abdominal wallAN52.5 Describe the development and congenital anomalies of Diaphragm</p>
01 - 02pm	Lunch		Lunch			

02 - 03pm					SDL/ECE/Tutorials Restrictive lung diseases (P)	
03 - 04pm	(PY-10.20) Cranial nerves –VIII (P) (PY-10.20) Cranial nerves IX,X,XI,XII (P) BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum. Demonstrate the estimation of Urea (B)	(PY-10.20) Cranial nerves –VIII (P) (PY-10.20) Cranial nerves IX,X,XI,XII (P) BI11.9 A Demonstrate the estimation of serum total cholesterol Demonstrate the estimation of Cholesterol (B)	(PY-10.20) Cranial nerves –VIII (P) (PY-10.20) Cranial nerves IX,X,XI,XII (P) BI11.9 A Demonstrate the estimation of serum total cholesterol Demonstrate the estimation of Cholesterol (B)		Practical/Demonstraion BI11.5 Describe screening of urine for inborn errors & describe the use of paper chromatography Describe screening of urine for inborn errors & describe the use of paper chromatography (B)	Physiology (SGD/ECE/SDL) Jaundice (P) SDL ESR (P)

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	15.04.2024	16.04.2024	17.04.2024	18.04.2024	19.04.2024	20.04.2024
09-10am	Describe artificial kidney, dialysis and renal transplantation Dialysis (VI-General Medicine)	PY7.8 Describe & discuss Renal Function Tests Renal function tests (HI-Biochemistry)		PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities Hypothalamus-1 (HI-Human Anatomy) (VI-Psychiatry)	BI7.2 D Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms. Genetic code & Translation - Protein Biosynthesis (B)	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities Hypothalamus-2 (HI-Human Anatomy) (VI-Psychiatry)

10 - 11am	AN52.6 Describe the development and congenital anomalies of: Foregut, Midgut & Hindgut	AN52.7 Describe the development of Urinary system	Ram Navami	AN52.8 Describe the development of male & female reproductive system	AN53.1 Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups	AN53.2 Demonstrate the anatomical position of bony pelvis & show boundaries of pelvic inlet, pelvic cavity, pelvic outlet AN53.3 Define true pelvis and false pelvis and demonstrate sex determination in male & female bony pelvis
11 - 01pm	AN52.6 Describe the development and congenital anomalies of: Foregut, Midgut & Hindgut	AN52.7 Describe the development of Urinary system		AN52.8 Describe the development of male & female reproductive system	AN53.1 Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups	AN53.2 Demonstrate the anatomical position of bony pelvis & show boundaries of pelvic inlet, pelvic cavity, pelvic outlet AN53.3 Define true pelvis and false pelvis and demonstrate sex determination in male & female bony pelvis
01 - 02pm	Lunch					
02 - 03pm	Human reaction time (P) Revision of Clinical	Human reaction time (P) Revision of Clinical			SDL/ECE/Tutorials Hypertension (P)	Practical/DSDL/ECE/Tutorials Congenital heart disease (P) emonstration

03 - 04pm	practicals (P) BI11.9 A Demonstrate the estimation of serum total cholesterol Demonstrate the estimation of Cholesterol (B)	practicals (P) BI11.11 Demonstrate estimation of calcium and phosphorous Demonstrate the estimation of Calcium & Phosphorus (B)		SGD/Tutorial Molecular Biology (B)	Practical/Demonstraion BI11.2 Describe the preparation of buffers and estimation of pH. preparation of buffers and estimation of pH. (B)	PSM
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Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	22.04.2024	23.04.2024	24.04.2024	25.04.2024	26.04.2024	27.04.2024
09-10am	II Sessional Examination					
10 - 11am						
11 - 01pm						
01 - 02pm						
02 - 03pm						
03 - 04pm						

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	29.04.2024	30.04.2024	01.05.2024	02.05.2024	03.05.2024	04.05.2024
09-10am	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities Thalamus-1 (HI-Human Anatomy) (VI-Psychiatry)	PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities Thalamus-2 (HI-Human Anatomy) (VI-Psychiatry)				

10 - 11am	AN53.4 Explain and demonstrate clinical importance of bones of abdominopelvic region (sacralization of lumbar vertebra, Lumbarization of 1st sacral vertebra, types of bony pelvis & Coccyx)	AN54.1 Describe & identify features of plain X ray abdomen AN54.2 Describe & identify the special radiographs of abdominopelvic region (contrast X ray Barium swallow, Barium meal, Barium enema, Cholecystography, Intravenous pyelography & Hysterosalpingography)	Summer Vacation
11 - 01pm	AN53.4 Explain and demonstrate clinical importance of bones of abdominopelvic region (sacralization of lumbar vertebra, Lumbarization of 1st sacral vertebra, types of bony pelvis & Coccyx)	AN54.1 Describe & identify features of plain X ray abdomen AN54.2 Describe & identify the special radiographs of abdominopelvic region (contrast X ray Barium swallow, Barium meal, Barium enema, Cholecystography, Intravenous pyelography & Hysterosalpingography)	
01 - 02pm	Lunch		

02 - 03pm	(PY-10.11) CNS Higher functions (P) Thermometry (P) BI11.11 Demonstrate estimation of calcium and phosphorous	(PY-10.11) CNS Higher functions (P) Thermometry (P) BI11.11 Demonstrate estimation of calcium and phosphorous	
03 - 04pm	Demonstrate the estimation of Calcium & Phosphorus (B)	Demonstrate the estimation of Calcium & Phosphorus (B)	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	06.05.2024	07.05.2024	08.05.2024	09.05.2024	10.05.2024	11.05.2024
09-10am	Summer Vacation					
10 - 11am						
11 - 01pm						
01 - 02pm						
02 - 03pm						
03 - 04pm						

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	13.05.2024	14.05.2024	15.05.2024	16.05.2024	17.05.2024	18.05.2024

09-10am		<p>PY7.9 Describe cystometry and discuss the normal cystometrogram Cystometry</p>	<p>BI7.2 Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms. BI9.3 Describe protein targeting & sorting along with its associated disorders. Genetic code & Translation- Inhibitors of protein biosynthesis and post-translational modifications of Protein , Protein Biosynthesis targeting & sorting (B)</p>	<p>PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities Cerebellum-1 (HI-Human Anatomy) (VI-Psychiatry)</p>
10 - 11am		<p>AN54.3 Describe role of ERCP, CT abdomen, MRI, Arteriography in radiodiagnosis of abdomen</p>	<p>AN55.1 Demonstrate the surface marking of; Regions and planes of abdomen, Superficial inguinal ring, Deep inguinal ring , McBurney's point, Renal Angle & Murphy's point</p>	<p>AN56.1 Describe & identify various layers of meninges with its extent & modifications AN56.2 Describe circulation of CSF with its applied anatomy</p>

11 - 01pm	Summer Vacation	AN54.3 Describe role of ERCP, CT abdomen, MRI, Arteriography in radiodiagnosis of abdomen	AN55.1 Demonstrate the surface marking of; Regions and planes of abdomen, Superficial inguinal ring, Deep inguinal ring , McBurney's point, Renal Angle & Murphy's point	AN56.1 Describe & identify various layers of meninges with its extent & modifications AN56.2 Describe circulation of CSF with its applied anatomy
01 - 02pm		Lunch		
02 - 03pm		SDL/ECE/Tutorials Spirometry (P)	SDL/ECE/Tutorials Obstructive lung diseases	Physiology (SGD/ECE/SDL) Jaundice (P) SDL ESR (P)
03 - 04pm		SGD/Tutorial Hormone Mechanism (B)	Practical/Demonstraion BI7.4 Describe applications of molecular technologies like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis. PCR (B)	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	20.05.2024	21.05.2024	22.05.2024	23.05.2024	24.05.2024	25.05.2024
09-10am	<p>PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities Cerebellum-2 (HI-Human Anatomy) (VI-Psychiatry)</p>	<p>PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities Cerebellum-3 (HI-Human Anatomy) (VI-Psychiatry)</p>	<p>BI6.7 A Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these. pH, Acid Base Balance & body buffer systems (VI-General Medicine) (HI-Physiology) (B)</p>	<p>PY9.1 Describe and discuss sex determination; sex differentiation and their abnormalities and outline psychiatry and practical implication of sex determination Sex determination & sex differentiation (HI-Human Anatomy)</p>	<p>BI7.3 Describe gene mutations and basic mechanism of regulation of gene expression Regulations of Gene expression & mutation (VI-Pediatrics) (B)</p>	<p>PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities Limbic system-1 (HI-Human Anatomy) (VI-Psychiatry)</p>
10 - 11am	<p>AN57.1 Identify external features of spinal cord AN57.2 Describe extent of spinal cord in child & adult with its clinical implication</p>	<p>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</p>	<p>AN58.1 Identify external features of medulla oblongata</p>	<p>AN58.2 Describe transverse section of medulla oblongata at the level of 1) pyramidal decussation, 2) sensory decussation 3) ION</p>	<p>AN58.3 Enumerate cranial nerve nuclei in medulla oblongata with their functional group AN58.4 Describe anatomical basis & effects of medial & lateral medullary syndrome</p>	<p>AN59.1 Identify external features of pons 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</p>

11 - 01pm	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	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	AN58.3 Enumerate cranial nerve nuclei in medulla oblongata with their functional group AN58.4 Describe anatomical basis & effects of medial & lateral medullary syndrome	AN59.1 Identify external features of pons 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
01 - 02pm	Lunch		Lunch			
02 - 03pm				SGD/Tutorial-SDL Isotonic & isometric contraction of muscle (P)	Practical/Demonstraion /SDL Heart Sound (P)	
03 - 04pm	(PY-10.12) EEG (P) (PY-4.10) Clinical examination of abdomen (P) B.11.12 Demonstrate the estimation of serum bilirubin Demonstrate the estimation of Serum Bilirubin (B)	(PY-10.12) EEG (P) (PY-4.10) Clinical examination of abdomen (P) B.11.12 Demonstrate the estimation of serum bilirubin Demonstrate the estimation of Serum Bilirubin (B)	(PY-10.12) EEG (P) (PY-4.10) Clinical examination of abdomen (P) B.11.12 Demonstrate the estimation of serum bilirubin Demonstrate the estimation of Serum Bilirubin (B)	SGD/Tutorial AIDS/HIV (B)	Practical/Demonstraion BI9.1 List the functions and components of the extracellular matrix (ECM). BI9.2 Discuss the involvement of ECM components in health and disease. Componant of extra cellular metrix and their functions (B)	PSM

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	27.05.2024	28.05.2024	29.05.2024	30.05.2024	31.05.2024	01.06.2024
09-10am	<p>PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities</p> <p>Limbic system-2 (HI-Human Anatomy) (VI-Psychiatry)</p>	<p>PY9.2 Describe and discuss puberty: onset, progression, stages; early and delayed puberty and outline adolescent clinical and psychological association</p>	<p>BI7.4 A Describe applications of molecular technologies like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis.</p> <p>Recombinant DNA Technology & its applications (Pediatrics, General Medicine) (B)</p>	<p>PY9.7 Describe and discuss the effects of removal of gonads on physiological functions</p> <p>Puberty & Adolescence</p>	<p>Hormones Mechanism I Classifications & mechanism of action group 1 & 2</p> <p>Hormones (B)</p>	<p>PY10.8 Describe and discuss behavioural and EEG characteristics during sleep and mechanism responsible for its production</p> <p>EEG & Sleep-1 (VI-Psychiatry)</p>
10 - 11am	<p>AN60.1 Describe & demonstrate external & internal features of cerebellum</p> <p>AN60.2 Describe connections of cerebellar cortex and intracerebellar nuclei</p> <p>AN60.3 Describe anatomical basis of cerebellar dysfunction</p>	<p>AN62.1 Enumerate cranial nerve nuclei with its functional component</p>	<p>AN62.2 Describe & demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere</p>	<p>AN62.4 Enumerate parts & major connections of basal ganglia & limbic lobe</p> <p>AN62.5 Describe boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus</p>	<p>AN62.6 Describe & identify formation, branches & major areas of distribution of circle of Willis</p>	<p>AN63.1 Describe & demonstrate parts, boundaries & features of IIIrd, IVth & lateral ventricle</p> <p>AN63.2 Describe anatomical basis of congenital hydrocephalus</p>

11 - 01pm	AN60.1 Describe & demonstrate external & internal features of cerebellum AN60.2 Describe connections of cerebellar cortex and intracerebellar nuclei AN60.3 Describe anatomical basis of cerebellar dysfunction	AN62.1 Enumerate cranial nerve nuclei with its functional component	AN62.2 Describe & demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere	AN62.4 Enumerate parts & major connections of basal ganglia & limbic lobe AN62.5 Describe boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus	AN62.6 Describe & identify formation, branches & major areas of distribution of circle of Willis	AN63.1 Describe & demonstrate parts, boundaries & features of IIIrd, IVth & lateral ventricle AN63.2 Describe anatomical basis of congenital hydrocephalus
01 - 02pm	Lunch		Lunch			
02 - 03pm				SDL/ECE/Tutorials Peptic ulcer (P)	SDL/ECE/Tutorials Dwarfism (P)	
03 - 04pm	EMG (P) (PY 5.14) Autonomic function tests-P BI11.12 Demonstrate the estimation of serum bilirubin Demonstrate the estimation of Serum Bilirubin (B)	EMG (P) (PY 5.14) Autonomic function tests-P BI11.12 Demonstrate the estimation of serum bilirubin Demonstrate the estimation of Serum Bilirubin (B)	EMG (P) (PY 5.14) Autonomic function tests-P BI11.12 Demonstrate the estimation of serum bilirubin Demonstrate the estimation of Serum Bilirubin (B)	SGD/Tutorial FA Cancer & Oncogenes (B)	Practical/Demonstraion Demonstraion of Glucose estimation by Folen WU tube method (B)	PSM

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	01.06.2024	01.06.2024	01.06.2024	01.06.2024	01.06.2024	01.06.2024
09-10am	<p>PY10.8 Describe and discuss behavioural and EEG characteristics during sleep and mechanism responsible for its production EEG & Sleep-2 (VI-Ps ychiatry)</p>	<p>PY9.3 Describe male reproductive system: functions of testis and control of spermatogenesis & factors modifying it and outline its association with psychiatric illness Male reproductive system-2</p>	<p>Hormones Mechanism II Pituitary hormone, growth hormone, thyroid & adrenal hormones (B)</p>	<p>PY9.3 Describe male reproductive system: functions of testis and control of spermatogenesis & factors modifying it and outline its association with psychiatric illness Male reproductive system-2</p>	<p>BI4.6 Describe the therapeutic uses of prostaglandins and inhibitors of eicosanoid synthesis. Prostaglandins- Structures, Types and Uses (VI-General Medicine) (B)</p>	<p>PY9.3 Describe male reproductive system: functions of testis and control of spermatogenesis & factors modifying it and outline its association with psychiatric illness Male reproductive system-3</p>
10 - 11am	<p>AN64.1 Describe & identify the microanatomical features of Spinal cord, Cerebellum & Cerebrum</p>	<p>AN64.2 Describe the development of neural tube, spinal cord, medulla oblongata, pons, midbrain, cerebral hemisphere & cerebellum AN64.3 Describe various types of open neural tube defects with its embryological basis</p>	<p>AN65.1 Identify epithelium under the microscope & describe the various types that correlate to its function AN65.2 Describe the ultrastructure of epithelium</p>	<p>AN66.1 Describe & identify various types of connective tissue with functional correlation AN66.2 Describe the ultrastructure of connective tissue</p>	<p>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</p>	<p>AN68.1 Describe & Identify multipolar & unipolar neuron, ganglia, peripheral nerve AN68.2 Describe the structure-function correlation of neuron AN68.3 Describe the ultrastructure of nervous tissue</p>

11 - 01pm	AN64.1 Describe & identify the microanatomical features of Spinal cord, Cerebellum & Cerebrum	AN64.2 Describe the development of neural tube, spinal cord, medulla oblongata, pons, midbrain, cerebral hemisphere & cerebellum AN64.3 Describe various types of open neural tube defects with its embryological basis	AN65.1 Identify epithelium under the microscope & describe the various types that correlate to its function AN65.2 Describe the ultrastructure of epithelium	AN66.1 Describe & identify various types of connective tissue with functional correlation AN66.2 Describe the ultrastructure of connective tissue	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	AN68.2 Describe the structure-function correlation of neuron AN68.3 Describe the ultrastructure of nervous tissue
01 - 02pm	Lunch			Lunch		
02 - 03pm	PH.10.19 Nerve conduction study ERG	PH.10.19 Nerve conduction study ERG	PH.10.19 Nerve conduction study ERG	SGD/Tutorial-SDL Isotonic & isometric contraction of muscle (P)	Practical/Demonstraion /SDL Heart Sound (P)	PSM
03 - 04pm	BI11.13 Demonstrate the estimation of SGOT/ SGPT Demonstrate the estimation of SGOT (B)	BI11.13 Demonstrate the estimation of SGOT/ SGPT Demonstrate the estimation of SGOT (B)	BI11.13 Demonstrate the estimation of SGOT/ SGPT Demonstrate the estimation of SGOT (B)	SGD/Tutorial Immunoglobulins- Types structures & Functions (B)	BI11.24 Enumerate advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food. advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food. (VI- General Medicine)	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	03.06.2024	04.06.2024	05.06.2024	06.06.2024	07.06.2024	08.06.2024
09-10am	<p>PY10.9 Describe and discuss the physiological basis of memory, learning and speech Learning & Memory (VI-Psychiatry)-1</p>	<p>PY10.9 Describe and discuss the physiological basis of memory, learning and speech Learning & Memory (VI-Psychiatry)-2</p>	<p>BI5.2 Describe and discuss functions of proteins and structure-function relationships in relevant areas eg, hemoglobin and selected hemoglobinopathies BI6.11 A Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin metabolism. BI6.12 Describe the major types of haemoglobin and its derivatives found in the body and their physiological/ pathological relevance. Hemoglobin Metabolism - Structures, derivatives and abnormal Hemoglobins (VI-Pathology, General Medicine) (HI-Physiology) (B)</p>	<p>PY10.9 Describe and discuss the physiological basis of memory, learning and speech Learning & Memory (VI-Psychiatry)-3</p>	<p>BI5.2 Describe and discuss functions of proteins and structure-function relationships in relevant areas eg, hemoglobin and selected hemoglobinopathies BI6.11 A Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin metabolism. BI6.12 Describe the major types of haemoglobin and its derivatives found in the body and their physiological/ pathological relevance. Hemoglobin Metabolism - Structures, derivatives and abnormal Hemoglobins (VI-Pathology, General Medicine) (HI-Physiology) (B)</p>	<p>PY10.9 Describe and discuss the physiological basis of memory, learning and speech Learning & Memory (VI-Psychiatry)-4</p>

10 - 11am	AN69.1 Identify elastic & muscular blood vessels, capillaries under the microscope	AN68.1 Describe & Identify multipolar & unipolar neuron, ganglia, peripheral nerve	ECE:HERNIA	AN70.2 Identify the lymphoid tissue under the microscope & describe microanatomy of lymph node, spleen, thymus, tonsil and correlate the structure with function	AN71.1 Identify bone under the microscope; classify various types and describe the structure-function correlation of the same AN71.2 Identify cartilage under the microscope & describe various types and structure- function correlation of the same	AN72.1 Identify the skin and its appendages under the microscope and correlate the structure with function
11 - 01pm	AN69.2 Describe the various types and structure-function correlation of blood vessel AN69.3 Describe the ultrastructure of blood vessels	eAN68.2 Describe the structure-function correlation of neuron AN68.3 Describe the ultrastructure of nervous tissue	ECE:HERNIA	AN70.2 Identify the lymphoid tissue under the microscope & describe microanatomy of lymph node, spleen, thymus, tonsil and correlate the structure with function	AN71.1 Identify bone under the microscope; classify various types and describe the structure-function correlation of the same AN71.2 Identify cartilage under the microscope & describe various types and structure- function correlation of the same	AN72.1 Identify the skin and its appendages under the microscope and correlate the structure with function
01 - 02pm	Lunch			Lunch		
02 - 03pm				SDL/ECE/Tutorials Peptic ulcer (P)	SDL/ECE/Tutorials Dwarfism (P)	

03 - 04pm	PH.8.4 Endocrine Disorders_Photocraphics & Graphs- Reproductive BI11.13 Demonstrate the estimation of SGOT/ SGPT Demonstrate the estimation of SGOT (B)	PH.8.4 Endocrine Disorders_Photocraphics & Graphs- Reproductive BI11.13 Demonstrate the estimation of SGOT/ SGPT Demonstrate the estimation of SGOT (B)	PH.8.4 Endocrine Disorders_Photocraphics & Graphs- Reproductive BI11.13 Demonstrate the estimation of SGOT/ SGPT Demonstrate the estimation of SGOT (B)	SGD/Lecture Disorders caused by protein calorie malnutrition (B)	BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - diabetes mellitus, - dyslipidemia, - myocardial infarction, - renal failure, gout, - proteinuria, - nephrotic syndrome, - edema, - jaundice, - liver diseases, pancreatitis, disorders of acid- base balance, - thyroid disorders basis and rationale of biochemical tests in different orders (B)	PSM
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Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	10.06.2024	11.06.2024	12.06.2024	13.06.2024	14.06.2024	15.06.2024
09-10am	PY9.4 Describe female reproductive system: (a) functions of ovary and its control; (b) menstrual cycle - hormonal, uterine and ovarian changes Ovarian cycle	PY9.4 Describe female reproductive system: (a) functions of ovary and its control; (b) menstrual cycle - hormonal, uterine and ovarian changes Menstrual cycle	BI6.11 B Describe the functions of haem in the body and describe the processesinvolved in its metabolism and describe porphyrin metabolism. Hemoglobin Metaboilsm- Biosynthesis & degradations of Heam. (VI- Pathology, GeneralMedicine)(HI- Physiology) (B)	PY10.10 Describe and discuss chemical transmission in the nervous system. (Outline the psychiatry element). Chemical transmission in the nervous system & CSF	BI10.1 Describe the cancer initiation, promotion oncogenes & oncogene activation. Also focus on p53 & apoptosis Cancer & Oncogenes (VI- Obstetrics & Gynaecology, General Surgery, Pathology) (B)	PY9.5 Describe and discuss the physiological effects of sex hormones Sex hormone-1

10 - 11am	<p>AN73.1 Describe the structure of chromosomes with classification</p> <p>AN73.2 Describe technique of karyotyping with its applications</p> <p>AN73.3 Describe the Lyon's hypothesis</p> <p>AN74.1 Describe the various modes of inheritance with examples</p>	<p>AN74.2 Draw pedigree charts for the various types of inheritance & give examples of diseases of each mode of inheritance</p> <p>AN74.3 Describe multifactorial inheritance with examples</p>	<p>AN74.4 Describe the genetic basis & clinical features of Achondroplasia, Cystic Fibrosis, Vitamin D resistant rickets, Haemophilia, Duchene's muscular dystrophy & Sickle cell anaemia</p>	<p>AN75.1 Describe the structural and numerical chromosomal aberrations</p> <p>AN75.2 Explain the terms mosaics and chimeras with example</p> <p>AN75.3 Describe the genetic basis & clinical features of Prader Willi syndrome, Edward syndrome & Patau syndrome</p>	<p>AN75.4 Describe genetic basis of variation: polymorphism and mutation</p> <p>AN75.5 Describe the principles of genetic counselling</p> <p>AN76.1 Describe the stages of human life</p> <p>AN76.2 Explain the terms- phylogeny, ontogeny, trimester, viability</p>	<p>AN77.1 Describe the uterine changes occurring during the menstrual cycle</p> <p>AN77.2 Describe the synchrony between the ovarian and menstrual cycles</p>
11 - 01pm	<p>AN73.1 Describe the structure of chromosomes with classification</p> <p>AN73.2 Describe technique of karyotyping with its applications</p> <p>AN73.3 Describe the Lyon's hypothesis</p> <p>AN74.1 Describe the various modes of inheritance with examples</p>	<p>AN74.2 Draw pedigree charts for the various types of inheritance & give examples of diseases of each mode of inheritance</p> <p>AN74.3 Describe multifactorial inheritance with examples</p>	<p>AN74.4 Describe the genetic basis & clinical features of Achondroplasia, Cystic Fibrosis, Vitamin D resistant rickets, Haemophilia, Duchene's muscular dystrophy & Sickle cell anaemia</p>	<p>AN75.1 Describe the structural and numerical chromosomal aberrations</p> <p>AN75.2 Explain the terms mosaics and chimeras with example</p> <p>AN75.3 Describe the genetic basis & clinical features of Prader Willi syndrome, Edward syndrome & Patau syndrome</p>	<p>AN75.4 Describe genetic basis of variation: polymorphism and mutation</p> <p>AN75.5 Describe the principles of genetic counselling</p> <p>AN76.1 Describe the stages of human life</p> <p>AN76.2 Explain the terms- phylogeny, ontogeny, trimester, viability</p>	<p>AN77.1 Describe the uterine changes occurring during the menstrual cycle</p> <p>AN77.2 Describe the synchrony between the ovarian and menstrual cycles</p>
01 - 02pm	Lunch		Lunch			
02 - 03pm	<p>Revision Test - The estimation of serum creatinine and creatinine clearance</p>	<p>Revision Test - The estimation of serum creatinine and creatinine clearance</p>	<p>Revision Test - The estimation of serum creatinine and creatinine clearance</p>	SDL/ECE/Tutorials Diarrhoea (P)	SDL/ECE/Tutorials Hyperthyroidism (P)	SDL/ECE/Tutorials

03 - 04pm	BI11.13 Demonstrate the estimation of SGOT/ SGPT Demonstrate the estimation of SGPT (B)	BI11.13 Demonstrate the estimation of SGOT/ SGPT Demonstrate the estimation of SGPT (B)	BI11.13 Demonstrate the estimation of SGOT/ SGPT Demonstrate the estimation of SGPT (B)	SGD/Lecture Body buffer system (B)	Prac./Demo.- Organ Function Test (B)	Hyperthyroidism (P)
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Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	17.06.2024	18.06.2024	19.06.2024	20.06.2024	21.06.2024	22.06.2024
09-10am	<p>PY9.5 Describe and discuss the physiological effects of sex hormones Sex hormone-2</p>	<p>PY9.6 Enumerate the contraceptive methods for male and female. Discuss their advantages & disadvantages Contraceptive methods (VI-Obstetrics & Gynaecology, Community Medicine)</p>	<p>BI10.2 Describe various biochemical tumor markers and the biochemical basis of cancer therapy Tumor Markers (VI-Obstetrics & Gynaecology, General Surgery, Pathology) (B)</p>	<p>PY10.13 Describe and discuss perception of smell and taste sensation Sensation of smell & taste-1 (VI-ENT)</p>	<p>BI10.4 Describe & discuss innate and adaptive immune responses, self/non-self recognition and the central role of T-helper cells in immune responses. BI10.5 Describe antigens and concepts involved in vaccine development. Immunochemistry - Immune response, antigen antibody concept & vaccine development (VI- General Medicine, Pathology) (HI- Physiology) (B)</p>	<p>PY10.14 Describe and discuss patho-physiology of altered smell and taste sensation Sensation of smell & taste-1 (VI-ENT)</p>

10 - 11am	AN77.3 Describe spermatogenesis and oogenesis along with diagrams AN77.4 Describe the stages and consequences of fertilisation	AN77.5 Enumerate and describe the anatomical principles underlying contraception AN77.6 Describe teratogenic influences; fertility and sterility, surrogate motherhood, social significance of "sex-ratio".	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	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	AN79.1 Describe the formation & fate of the primitive streak AN79.2 Describe formation & fate of notochord	AN79.3 Describe the process of neurulation AN79.4 Describe the development of somites and intra-embryonic coelom
11 - 01pm	AN77.3 Describe spermatogenesis and oogenesis along with diagrams AN77.4 Describe the stages and consequences of fertilisation	AN77.5 Enumerate and describe the anatomical principles underlying contraception AN77.6 Describe teratogenic influences; fertility and sterility, surrogate motherhood, social significance of "sex-ratio".	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	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	AN79.1 Describe the formation & fate of the primitive streak AN79.2 Describe formation & fate of notochord	AN79.3 Describe the process of neurulation AN79.4 Describe the development of somites and intra-embryonic coelom
01 - 02pm	Lunch		Lunch			
02 - 03pm	Spotting --P BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance	Spotting --P BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance	Spotting --P BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance	SDL/ECE/Tutorials Diabetes mellitus	SDL/ECE/Tutorials Rickets	PSM
03 - 04pm	Calculation of creatinine clearance test (B)	Calculation of creatinine clearance test (B)	Calculation of creatinine clearance test (B)	SGD/Lecture Cardiac Function Test (B)	Prac./Demo.- Thalasaemia (B)	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	24.06.2024	25.06.2024	26.06.2024	27.06.2024	28.06.2024	29.06.2024
09-10am	<p>PY10.14 Describe and discuss patho-physiology of altered smell and taste sensation Sensation of smell & taste-1 (VI-ENT)</p>	<p>PY9.8 Describe and discuss the physiology of pregnancy, parturition & lactation and outline the psychology and psychiatry-disorders associated with it. Pregnancy (VI - Obstetrics & Gynaecology)-1</p>	<p>BI6.7 A Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these. pH, Acid Base Balance & body buffer systems(VI- General Medicine) (HI- Physiology) (B)</p>	<p>PY9.8 Describe and discuss the physiology of pregnancy, parturition & lactation and outline the psychology and psychiatry-disorders associated with it. Pregnancy (VI - Obstetrics & Gynaecology)-2</p>	<p>BI7.5 Describe the role of xenobiotics in disease Xenobiotics/ Detoxification Mechanism of Detoxification (VI- General Medicine) (B)</p>	<p>PY9.8 Describe and discuss the physiology of pregnancy, parturition & lactation and outline the psychology and psychiatry-disorders associated with it. Pregnancy (VI - Obstetrics & Gynaecology)-3</p>
10 - 11am	<p>AN79.5 Explain embryological basis of congenital malformations, nucleus pulposus, sacrococcygeal teratomas, neural tube defects</p>	<p>AN79.6 Describe the diagnosis of pregnancy in first trimester and role of teratogens, alpha-fetoprotein</p>	<p>AN80.1 Describe formation, functions & fate of-chorion: amnion; yolk sac; allantois & decidua</p>	<p>AN80.2 Describe formation & structure of umbilical cord</p>	<p>AN80.3 Describe formation of placenta, its physiological functions, foetomaternal circulation & placental barrier AN80.4 Describe embryological basis of twinning in monozygotic & dizygotic twins</p>	<p>AN80.5 Describe role of placental hormones in uterine growth & parturition AN80.6 Explain embryological basis of estimation of fetal age.</p>
11 - 01pm	<p>AN79.5 Explain embryological basis of congenital malformations, nucleus pulposus, sacrococcygeal teratomas, neural tube defects</p>	<p>AN79.6 Describe the diagnosis of pregnancy in first trimester and role of teratogens, alpha-fetoprotein</p>	<p>AN80.1 Describe formation, functions & fate of-chorion: amnion; yolk sac; allantois & decidua</p>	<p>AN80.2 Describe formation & structure of umbilical cord</p>	<p>AN80.3 Describe formation of placenta, its physiological functions, foetomaternal circulation & placental barrier AN80.4 Describe embryological basis of twinning in monozygotic & dizygotic twins</p>	<p>AN80.5 Describe role of placental hormones in uterine growth & parturition AN80.6 Explain embryological basis of estimation of fetal age.</p>

01 - 02pm	Lunch		Lunch			
02 - 03pm	Spotting --P Test - Abnormal Urine Analysis (B)	Spotting --P Test - Abnormal Urine Analysis (B)	Spotting --P Test - Abnormal Urine Analysis (B)	SDL/ECE/Tutorials Acute & Chronic renal failure	SGDECE//Tutorials Itching	PSM
03 - 04pm				SGD/Lecture Porhyrias (B)	Prac./Demo.- Prostaglandins therapeutic uses (B)	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	01.07.2024	02.07.2024	03.07.2024	04.07.2024	05.07.2024	06.07.2024
09-10am	PY9.8 Describe and discuss the physiology of pregnancy, parturition & lactation and outline the psychology and psychiatry-disorders associated with it. Pregnancy (VI – Obstetrics & Gynaecology)-4	PY10.15 Describe and discuss functional anatomy of ear and auditory pathways & physiology of hearing Ear & Auditory pathway (VI-ENT)-1	BI6.13 B Describe the functions of the kidney, liver, thyroid and adrenal glands.	PY10.15 Describe and discuss functional anatomy of ear and auditory pathways & physiology of hearing Ear & Auditory pathway (VI-ENT)-2	BI6.14 B Describe the tests that are commonly done in clinical practice to assess the functions of these organs (kidney, liver, thyroid and adrenal glands). Liver & Renal Function Test (VI- Pathology, General Medicine) (HI- Physiology, Human Anatomy) (B)	PY10.15 Describe and discuss functional anatomy of ear and auditory pathways & physiology of hearing Ear & Auditory pathway (VI-ENT)-3
10 - 11am	AN80.7 Describe various types of umbilical cord attachmentsAN81.1 Describe various methods of prenatal diagnosis	AN81.2 Describe indications, process and disadvantages of amniocentesisAN81.3 Describe indications, process and disadvantages of chorion villus biopsy	AN 82.1 Demonstrate respect and follow the correct procedure when handling cadavers and other biologic tissue	INTEGRATION WITH PHYSIOLOGY Describe the structure and functions of a neuron and neuroglia; Discuss Nerve Growth Factor & other growth factors/cytokines	INTEGRATION WITH PHYSIOLOGYDescribe the different types of muscle fibres and their structure	INTEGRATION WITH PHYSIOLOGY Describe muscular dystrophy: myopathies

11 - 01pm	AN80.7 Describe various types of umbilical cord attachments AN81.1 Describe various methods of prenatal diagnosis	AN81.2 Describe indications, process and disadvantages of amniocentesis AN81.3 Describe indications, process and disadvantages of chorion villus biopsy	AN 82.1 Demonstrate respect and follow the correct procedure when handling cadavers and other biologic tissue	INTEGRATION WITH PHYSIOLOGY Describe the structure and functions of a neuron and neuroglia; Discuss Nerve Growth Factor & other growth factors/cytokines	INTEGRATION WITH PHYSIOLOGY Describe the different types of muscle fibres and their structure	INTEGRATION WITH PHYSIOLOGY Describe muscular dystrophy: myopathies
01 - 02pm	Lunch		Lunch			
02 - 03pm				SDL/ECE/Tutorials Metobolice syndrome	SDL/ECE/Tutorials Dialysis	
03 - 04pm	(PY-10.11) Examination of sensory functions (P) (PY-10.20) Cranial nerves –I, III, IV, V, VI (P) Revesion Test- Estimation of Glucose by Colorimeter (B)	(PY-10.11) Examination of sensory functions (P) (PY-10.20) Cranial nerves –I, III, IV, V, VI (P) Revesion Test- Estimation of Glucose by Colorimeter (B)	(PY-10.11) Examination of sensory functions (P) (PY-10.20) Cranial nerves –I, III, IV, V, VI (P) Revesion Test- Estimation of Glucose by Colorimeter (B)	SGD/Lecture Disorders caused by protein calorie malnutrition (B)	Prac./Demo.- (B) Revesion :- BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - diabetes mellitus, - dyslipidemia, - myocardial infarction, - renal failure, gout, - proteinuria, - nephrotic syndrome, - edema, - jaundice, - liver diseases, pancreatitis, disorders of acid- base balance, - thyroid disorders basis and rationale of biochemical tests in different orders (B)	Physiology (SGD/ECE/SDL) Liver Funtion test & Pain SDL -- Functions of Respiratory system

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	08.07.2024	09.07.2024	10.07.2024	11.07.2024	12.07.2024	13.07.2024
09-10am	PY10.15 Describe and discuss functional anatomy of ear and auditory pathways & physiology of hearing Ear & Auditory pathway (VI-ENT)-4	PY10.15 Describe and discuss functional anatomy of ear and auditory pathways & physiology of hearing Ear & Auditory pathway (VI-ENT)-5	BI6.13 A Describe the functions of the kidney, liver, thyroid and adrenal glands.	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 results Semen analysi-1	BI6.14 A Describe the tests that are commonly done in clinical practice to assess the functions of these organs (kidney, liver, thyroid and adrenal glands). Endocrine& Cardiac Function Test (VI- Pathology, General Medicine) (HI- Physiology, Human Anatomy) (B)	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 results Semen analysi-2
10 - 11am	ANATOMY SDL/SCALP CLINICAL ANATOMY	ANATOMY ECE/PBQ PEPTIC ULCER AND STOMACH CANCER	ANATOMY ECE/PBQ APPENDICITIS	ANATOMY ECE/PBQ PERINEAL POUCH, BODY, MEMBRANE AND EXTRAVASATION OF URINE	ANATOMY ECE/PBQ ECTOPIC PREGNANCY, CA CERVIX	ANATOMY ECE/PBQ FEMORAL AND INGUINAL HERNIA INCISIONAL HERNIA
11 - 01pm	ANATOMY SDL/ SCALP CLINICAL ANATOMY	ANATOMY ECE/PBQ PEPTIC ULCER AND STOMACH CANCER	ANATOMY ECE/PBQ APPENDICITIS	ANATOMY ECE/PBQ PERINEAL POUCH, BODY, MEMBRANE AND EXTRAVASATION OF URINE	ANATOMY ECE/PBQ ECTOPIC PREGNANCY, CA CERVIX	ANATOMY ECE/PBQ FEMORAL AND INGUINAL HERNIA INCISIONAL HERNIA
01 - 02pm	Lunch		Lunch			
02 - 03pm	(PY- 3.18) Effect of vagus/crescent stimulation on frog's heart-P	(PY- 3.18) Effect of vagus/crescent stimulation on frog's heart-P	(PY- 3.18) Effect of vagus/crescent stimulation on frog's heart-P	SDL/ECE/Tutorials Menopause	SDL/ECE/Tutorials Cystometry	Physiology (SGD/ECE/SDL) Myasthenia gravis (P) SDL- Walk-along theory (P)
03 - 04pm	(PY-3.15)(PY-3.16) Cardiac efficiency tests - P Test- Estimation of Glucose by Colorimeter (B)	(PY-3.15)(PY-3.16) Cardiac efficiency tests - P Test- Estimation of Glucose by Colorimeter (B)	(PY-3.15)(PY-3.16) Cardiac efficiency tests - P Test- Estimation of Glucose by Colorimeter (B)	SGD/Lecture Disorders caused by protein calorie malnutrition (B) (Revesion)	Prac./Demo.- Organ Function Test (B) (Revesion)	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	15.07.2024	16.07.2024	17.07.2024	18.07.2024	19.07.2024	20.07.2024
09-10am	PY9.10 Discuss the physiological basis of various pregnancy tests Pregnancy tests (VI – Obstetrics & Gynaecology)	PY10.16 Describe and discuss pathophysiology of deafness. Describe hearing tests Deafness & hearing tests (VI-ENT)	B18.2 Describe the types and causes of protein energy malnutrition and its effects.	PY9.11 Discuss the hormonal changes and their effects during perimenopause and menopause Menopause (VI-obstetrics & gynaecology-1)	B18.5 Summarize the nutritional importance of commonly used items of food including fruits and vegetables.(macro-molecules & its importance) Nutrition & Energy metabolism II (VI- General Medicine, Pediatrics, Pathology)(B)	PY9.11 Discuss the hormonal changes and their effects during perimenopause and menopause Menopause (VI-obstetrics & gynaecology-2)
10 - 11am	ANATOMY ECE/PBQ FOOT DROP, FLAT FOOT, CLUB FOOT	ANATOMY ECE/PBQ OSTEOARTHRITIS, HOUSEMAIDS KNEE	ANATOMY ECE/PBQ SVC SYNDROME, ANGINA PECTORIS, MYOCARDIAL INFARCTION	ANATOMY ECE/PBQ PNEUMONIA, PLEURAL EFFUSION, LUNG CANCER	ANATOMY ECE/PBQ LUNG ABSCESS, POSTURAL DRAINAGE	ANATOMY ECE/PBQ LUMBAR PUNCTURE, CISTERNAL PUNCTURE
11 - 01pm	ANATOMY ECE/PBQ FOOT DROP, FLAT FOOT, CLUB FOOT	ANATOMY ECE/PBQ OSTEOARTHRITIS, HOUSEMAIDS KNEE	ANATOMY ECE/PBQ SVC SYNDROME, ANGINA PECTORIS, MYOCARDIAL INFARCTION	ANATOMY ECE/PBQ PNEUMONIA, PLEURAL EFFUSION, LUNG CANCER	ANATOMY ECE/PBQ LUNG ABSCESS, POSTURAL DRAINAGE	ANATOMY ECE/PBQ LUMBAR PUNCTURE, CISTERNAL PUNCTURE
01 - 02pm	Lunch					
02 - 03pm				SDL/ECE/Tutorials Infertility	SDL/ECE/Tutorials Serebral Palsy	

03 - 04pm	Revision --P Spotting (B)	Revision --P Spotting (B)	Revision --P Spotting (B)	SGD/Tutorial	B111.24 Enumerate advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food. advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food. (VI- General Medicine)	PSM
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Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	22.07.2024	23.07.2024	24.07.2024	25.07.2024	26.07.2024	27.07.2024
09-10am	PU Examination					
10 - 11am						
11 - 01pm						
01 - 02pm						
02 - 03pm						
03 - 04pm						

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	29.07.2024	30.07.2024	31.07.2024	01.08.2024	02.08.2024	03.08.2024
09-10am	PU Examination					
10 - 11am						
11 - 01pm						
01 - 02pm						
02 - 03pm						
03 - 04pm						

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	05.08.2024	06.08.2024	07.08.2024	08.08.2024	09.08.2024	10.08.2024
09-10am	<p>PY9.12 Discuss the common causes of infertility in a couple and role of IVF in managing a case of infertility. Infertility (VI – Obstetrics & Gynaecology)</p>	<p>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 Introduction of visual system (VI-Ophthalmology)-1</p>	<p>BI6.7 C Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these. Electrolyte & Water Balance (VI- General Medicine) (HI-Physiology)(B)</p>	<p>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 Introduction of visual system (VI-Ophthalmology)-2</p>	<p>BI6.7 C Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these. (II)</p>	<p>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 Introduction of visual system (VI-Ophthalmology)-3</p>
10 - 11am	ANATOMY ECE/PBQ SPINAL ANAESTHESIA, MEDULLARY SYNDROMES	ANATOMY ECE/PBQ BRACHIAL PLEXUS INJURIES	ANATOMY ECE/PBQ CARPAL TUNNEL SYNDROME, MEDIAN NERVE INJURY	ANATOMY ECE/PBQ ULNAR NERVE INJURY	ANATOMY ECE/PBQ RADIAL NERVE INJURY	ANATOMY ECE/PBQ SCIATIC NERVE INJURY AND DISTRIBUTION
11 - 01pm	ANATOMY ECE/PBQ SPINAL ANAESTHESIA, MEDULLARY SYNDROMES	ANATOMY ECE/PBQ BRACHIAL PLEXUS INJURIES	ANATOMY ECE/PBQ CARPAL TUNNEL SYNDROME, MEDIAN NERVE INJURY	ANATOMY ECE/PBQ ULNAR NERVE INJURY	ANATOMY ECE/PBQ RADIAL NERVE INJURY	ANATOMY ECE/PBQ SCIATIC NERVE INJURY AND DISTRIBUTION
01 - 02pm	Lunch		Lunch			

02 - 03pm				<p>Physiology (SGD/ECE/SDL) Parkinson's disease SDL -- Shock (P) / Vomiting (P)</p>	<p>SDL-- Thyroid function tests & ADH & Regulation of bile secretion</p>	
03 - 04pm	<p>Revison--P Calculation of creatinine clearance test (B)</p>	<p>Revison--P Calculation of creatinine clearance test (B)</p>	<p>Revison--P Calculation of creatinine clearance test (B)</p>	<p>SGD/Lecture Disorders caused by protein calorie malnutrition (B)</p>	<p>BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions:</p> <ul style="list-style-type: none"> - diabetes mellitus, - dyslipidemia, - myocardial infarction, - renal failure, gout, - proteinuria, - nephrotic syndrome, - edema, - jaundice, - liver diseases, pancreatitis, disorders of acid- base balance, - thyroid disorders basis and rationale of biochemical tests in different orders (B) 	<p>PSM</p>

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	12.08.2024	13.08.2024	14.08.2024	15.08.2024	16.08.2024	17.08.2024
09-10am	<p>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 Introduction of visual system (VI-Ophthalmology)-4</p>	<p>PY11.1 Describe and discuss mechanism of temperature regulation Temperature regulation-1 (B)</p>	<p>BI7.6 Describe the anti-oxidant defence systems in the body.</p>	Independence day	<p>BI7.7 Describe the role of oxidative stress in the pathogenesis of conditions such as cancer, complications of diabetes mellitus and atherosclerosis. Anti oxidant & Oxidative stress (VI- General Medicine, Pathology) (B)</p>	<p>PY11.2 Describe and discuss adaptation to altered temperature (heat and cold)</p>
10 - 11am	ANATOMY ECE/PBQ FEMORAL NERVE INJURY AND DISTRIBUTION	ECE INJECTIONS	ECE ABDOMINAL INCISIONS		ECE:INTRAVENOUS ACCESS	SDL: BRAIN FUNCTION AREA
11 - 01pm	ANATOMY ECE/PBQ FEMORAL NERVE INJURY AND DISTRIBUTION	ECE INJECTIONS	ECE ABDOMINAL INCISIONS		ECE:INTRAVENOUS ACCESS	SDL: BRAIN FUNCTION AREA
01 - 02pm	Lunch		Lunch			

02 - 03pm	(PY-3.18) Velocity of nerve impulse - P Revision of Haematology practicals - P Calculation of creatinine clearance test (B)	(PY-3.18) Velocity of nerve impulse - P Revision of Haematology practicals - P Calculation of creatinine clearance test (B)	(PY-3.18) Velocity of nerve impulse - P Revision of Haematology practicals - P Calculation of creatinine clearance test (B)		PractiPY11.7 Describe and discuss physiology of aging; free radicals and Antioxidants Physiology of aging PY11.11 Discuss the concept, criteria for diagnosis of Brain death and its Implications Brain death cal/Demonstration	PY11.12 Discuss the physiological effects of meditation Yoga & meditation - 1 PY11.12 Discuss the physiological effects of meditation Yoga & meditation - 1
03 - 04pm					SGD/Lecture Disorders caused by protein calorie malnutrition (B)	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	19.08.2024	20.08.2024	21.08.2024	22.08.2024	23.08.2024	24.08.2024
09-10am		PY10.18 Describe and discuss the physiological basis of lesion in visual Pathway Visual Pathway (VI-Ophthalmology)	BI8.1 Discuss the importance of various dietary components and explain importance of dietary fibre Nutrition & Energy metabolism I (VI- General Medicine, Pediatrics, Pathology) (B)	PY10.18 Describe and discuss the physiological basis of lesion in visual Pathway Applied physiology of eye (VI-Ophthalmology)	BI10.5 Describe antigens and concepts involved in vaccine development. Immunochemistry - Immune response, antigen antibody concept & vaccine development (VI- General Medicine, Pathology) (HI- Physiology) (B)	PY11.4 Describe and discuss cardio-respiratory and metabolic adjustments during exercise; physical training effects

10 - 11am	Rakshabandhan	SDL:HIP JOINT	SDL:KNEE JOINT	SDL:SOULDER JOINT	SDL:ANKLE JOINT	SDL:SUBTALAR JOINT	
11 - 01pm		SDL:HIP JOINT	SDL:KNEE JOINT	SDL:SOULDER JOINT	SDL:ANKLE JOINT	SDL:SUBTALAR JOINT	
01 - 02pm		Lunch					
02 - 03pm		Demonstrate the estimation of Calcium & Phosphorus (B)	Demonstrate the estimation of Calcium & Phosphorus (B)	PY11.12 Discuss the physiological effects of meditation Yoga & meditation - 1 PY11.12 Discuss the physiological effects of meditation Yoga & meditation - 2	SDL-- Thyroid function tests & ADH & Regulation of bile secretion	PSM	
03 - 04pm				SGD/Lecture Paper Discussion	Prac./Demo.- Paper Discussion		

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
Date/Time	26.08.2024	27.08.2024	28.08.2024	29.08.2024	30.08.2024	31.08.2024	
09-10am	Janmashatami	PY11.8 Discuss & compare cardio-respiratory changes in exercise (isometric and isotonic) with that in the resting state and under different environmental conditions (heat and cold) Physiology of Exercise	BI11.24 Enumerate advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food. advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food. (VI- General Medicine)	PY10.19 Describe and discuss auditory & visual evoke potentials Auditory & visual evoke potentials (VI-Ophthalmology / ENT)	BI7.7 Describe the role of oxidative stress in the pathogenesis of conditions such as cancer, complications of diabetes mellitus and atherosclerosis. Anti oxidant & Oxidative stress (VI- General Medicine, Pathology) (B) (Reveson)	PY11.5 Describe and discuss physiological consequences of sedentary Lifestyle Sedentary lifestyle PY11.6 Describe physiology of Infancy Physiology of Infancy (VI- Pediatrics)-1 & 2	
10 - 11am		SDL:DIAPRAGM	SDL:PELVIC DIAPRAGM	SDL: PERITONEUM			
11 - 01pm		SDL:DIAPRAGM	SDL:PELVIC DIAPRAGM	SDL: PERITONEUM			
01 - 02pm			Lunch				
02 - 03pm		Revison Demonstrate the estimation of Calcium & Phosphorus (B)	Revison Demonstrate the estimation of Calcium & Phosphorus (B)	PY11.12 Discuss the physiological effects of meditation Yoga & meditation - 1	PY11.12 Discuss the physiological effects of meditation Yoga & meditation - 2	PSM	
03 - 04pm				SGD/Lecture Paper Discussion	Prac./Demo.- Paper Discussion		