Amaltas Institute of Medical Sciences, Dewas

Competency Based Time Table for MBBS Phase - Batch 2019-20

TIME TABLE

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/ Time	09.09.2019	10.09.2019	11.09.2019	12.09.2019	13.09.2019	14.09.2019
09-10am	**PY1.1 Describe the structure and functions of a mammalian cell** Cell I		**PY1.1 Describe the structure and functions of a mammalian cell** Cell II	**PY1.2 Describe and discuss the principles of homeostasis** Homeostasis	**BI1.1a. Describe the molecular and functional organization of a cell.** Molecular and functional organization of a cell. (HI- Physiology) (B)	**BI1.1b. Describe the molecular and functional organization of a cell.** Morphology and functional organization of sub cellular components (HI- Physiology) (B)
10 - 11am	**AN1.1(A) Demonstration normal anatomical position, various palnes, relation, compartison, laterality & movement in our body.** Terminology I - positioning of body, Terms of relationship special terms realated to limbs * Terms of hollow organ *Terms of Describing muscles		**AN1.1(B) Describe normal anatomical position, various palnes, relation, compartison, lateerality & movement in our body.** Terminology II * Terms or Describing- a. Movements b. vessels c. Bony features d. Clinical Anatomy e. arragment of body structure	**AN65.1 Epithelium under the microscope &describe the various types & correlate to its function** Epithilium -I Define charastistic features, classification, description of sub types, functions	**AN65.2 Describe the ultrastructure of epithelium** Epithilium -II (Histology of Epithelium) AN 70.1 Identify exocrine gland under the microscope & distinguish between serous, mucous and mixed acini (VI- Pathology)	**AN66.1 Describe various types of connective tissue with functional correlation** Connective tissue-I general feature of connective tissue , composition of Connective tissue

11 - 01pm	**AN 1.1** (A)Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body Terminology-I I. Position of the Body II. Terms of Relation ship III. Special terms of limbs IV. Terms of hallow organs V. Terms for describing muscles	**Holiday of Muharram**	**AN 1.1 (B)Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body** Terminology-II I. Terms for describing Movements II. Terms for describing Vessels III. Terms for describing Bony Features IV. Terms used for clinical Anatomy V. Arrangement of structures in the body **Terminology-I (Batch - A)** **Demonstration** **Microscope introduction (Batch- B)**	**AN65.1 Identify epithelium under the microscope & describe the various types that correlate to its function** Epithelium -I Identify epithelium under the microscope & describe the various types that correlate to its function **Microscope introduction (Batch -A)** **Terminology-I** **Demonstration (Batch-B)**	**AN65.2 Identify the ultrastructure of epithelium** Epithelium -I Identify epithelium under the microscope & describe the various types that correlate to its function **Terminology-II (Batch - A) Terminology-II (Batch-B)**	Bone – I Gross Structure of long Bone, classification, Blood Supply, Nerve Supply **Epithelium -I (Batch -A)** **Bone- I (Batch -B)**
01 - 02pm	Lunch		Lunch	Lunch	Lunch	Lunch
02 - 03pm	Introduction to Amphibian Laboratory (P) Introduction to Haematology Laboratory (P) / Study of Glassware (B)		Introduction to Amphibian Laboratory (P) Batch C: Introduction to Haematology Laboratory (P)/ Study of Glassware (B)	**ECE** Oedema-1 (P)	**Practical/Demonstration** Good Laboratory Practice (P)	**SGD/Tutorial** Cell Membrane (P)
03 - 04pm				**SGD/Tutorial** Spotting on Glassware (B)	**Practical/Demontration** Safety & Hazards of Biochemistry Laboratory (B)	Community Medicine Practical/**SGD**/AETCOM **Introduction to Community posting**
04 - 05pm	**CM1.1 Define and describe the concept of Public Health** Community Medicine Introduction Public health		SDL - History of Physiology	Evolution of Public Health (Community SDL)	**SDL** Histogenesis of Epithelium (A)	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	16.09.2019	17.09.2019	18.09.2019	19.09.2019	20.09.2019	21.09.2019
09-10am	**PY1.3 Describe intercellular communication** Intercellular communication	**PY1.4 Describe apoptosis – programmed cell death** Apoptosis (VI – PATHOLOGY)	**PY1.5 Describe and discuss transport mechanisms across cell membranes** Passinve transport	**PY1.5 Describe and discuss transport mechanisms across cell membranes** 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)	**BI2.2 Describe and explain the basic principles of enzyme activity & Kinetics** Basic principles of enzyme activity & Kinetics (B)
10 - 11am	**AN66.2 Describe the ultrastructure of connective tissue** Connective tissue-II, _ Proper	**AN66.2 Describe the ultrastructure of connective tissue** Connective tissue-II, _ Proper	**AN2.4 Describe various types of cartilage with its structure & distribution in body, AN71.2 cartilage under the microscope & describe various types and structure- function correlation of the same** Cartilage - Features, Classifications, Histology and Applied Anatomy	**AN2.4 Describe various types of cartilage with its structure & distribution in body, AN71.2 cartilage under the microscope & describe various types and structure- function correlation of the same** Cartilage - Features, Classifications, Histology and Applied Anatomy **(Sharing - Orthopedics/ Pathology) {ECE}**	**AN2.5 Describe various joints with subtypes and examples** Joint - I I. Definition, Classification- Structural, Functional, regional II. Synovial joint, classification with example characteristics of synovial joint (VI- Orthopedics)- {ECE}	**AN2.6 Explain the concept of nerve supply of joints & Hilton's law** Joint - II I. Subtypes of fibrous and cartilaginous joints II. Movement and mechanism of joint III. Lubrication of joint IV. Blood supply, nerve supply- Hilton's law, lymphatic drainage, stability of synovial joint

11 - 01pm	**AN66.1 Describe & identify various types of connective tissue with functional correlation** **Connective Tissue – I** **I. General Features, Ground substance** **II. Classifications of fibers, Cells of connective tissue, classification of connective tissue** **Bone- I (Batch-A)** **Epithelium -I (Batch-B)**	**AN66.1 Describe & identify various types of connective tissue with functional correlation** Connective Tissue – I I. General Features, Ground substance II. Classifications of fibers, Cells of connective tissue, classification of connective tissue **1. Epithelium -II (Batch -A) & (Batch-B)**	AN2.1 Identify parts, blood and nerve supply of a long bone AN2.2 Enumerate laws of ossification AN2.3 Enumerate special features of a sesamoid bone Bone –I Histology of Bone, Development of Bone, Classification of Bone, Estimation of Age, Bone marrow, **Connective Tissue – I (Batch- A)** **Dempnstration of Clavicle (Batch -B)**	**AN71.1 Identify bone under the microscope; classify various types and describe the structure-function correlation of the same.** Histology of Cartilage **Demonstration Clavicle (Batch-A)** **Connective Tissue – I (Batch-B)**	**AN71.2 cartilage under the microscope & describe various types and structure- function correlation of the same** Cartilage Features, Classifications, Histology and Applied Anatomy **Connective Tissue – II (Proper) (Batch-A)** **Scapula - I (Batch - B)**	**AN2.5 Demonstrate various joints with subtypes and examples** Joints – I I. Definition, Classification- Structural, Functional, regional II. Synovial joint, classification with example characteristics of synovial joint **Scapula - I (Batch -A) Connective Tissue – II (Proper) (Batch-B)**
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
02 - 03pm	Introduction to Amphibian Laboratory (P) Introduction to Haematology Laboratory (P)/ Study of Glassware (B)	Study of Amphibian Appliances (Batch A) Study of Microscope (Batch B)/ Instrumentation of Biochemistry (Batch- C)	Study of Amphibian Appliances (Batch B) Study of Microscope (Batch C)/ Instrumentation of Biochemistry (B)	**ECE** Oedema- 2 (P)	**Practical/Demonstration** Sample Collection & Waste Disposal (P)	**SGD/Tutorial** Feedback Mechanism of the Human body (P)
03 - 04pm				**SGD/Tutorial** Spotting on Instrumentation (B)	**Practical/Demontration** Introduction of qualitative & Quantitative Practicals (B)	**Community Practical/SGD/AETCOM MRD**
04 - 05pm	**CM1.2 Define health; describe the concept of holistic health including concept of spiritual health and the relativeness & determinants of health** Community Medicine Concept of Health	**SDL/** Lecture Cell Study (B)	**SDL** Nucleus of Mammlian cell (P)	**ECE- Instruments handling in pathology laboratory (VI-Pathology) (B)**	**SDL - Clavicle (Anatomy)**	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	**23.09.2019**	**24.09.2019**	**25.09.2019**	**26.09.2019**	**27.09.2019**	**28.09.2019**
09-10am	**PY1.6** **Describe the fluid compartments of the body, its ionic composition & measurements** Fluid compartments of the body, its ionic composition & measurements (HI -Biochemistry)	**PY1.7** **Describe the concept of pH & Buffer systems in the body** pH & Buffer systems in the body (HI -Biochemistry)	**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** **Demonstrate the ability to describe and discuss the methods used to demonstrate the functions of the cells and its products, its communications and their applications in Clinical care and research** Functions of the cells and its products, its communications	**BI2.3 Describe Enzyme Inhibition & regulation** Enzyme Inhibition & regulation (B)	**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)

10-11am	**AN3.1 Classify muscle tissue according to structure & action AN3.2 numerate parts of skeletal muscle and differentiate between tendons AN3.3 Explain Shunt and spurt muscles and aponeuroses with examples** Muscles - I **I. Derivation of name** **II. Definition** **III. Classification of muscles, describe the shunt and spurt muscles** **IV. Skeletal cardiac and smooth muscles, skeletal muscles, part structure supporting tissue, functional classification, slow and fast acting muscles, fascicular architecture (HI-Physiology)**	**AN67.1 Describe 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 AN7.5 Describe principles of sensory and motor innervation of muscles AN7.6 escribe concept of loss of innervation of a muscle with its applied anatomy** Muscles - II I. Lubricating mechanisms, nomenclature of muscles II. Blood supply of skeletal muscles III. Nerve supply of skeletal muscles IV. Neuromuscular junction V. Actions of muscles VI. Mechanics of muscles VII. Applied Anatomy Histology of muscles	**AN4.1 Describe different types of skin & dermatomes in body AN4.2 Describe structure & function of skin with its appendages** Skin- I (VI-Dermatology, Venereology & Leprosy)	**AN72.1 The skin and its appendages under the microscope and correlate the structure with function AN4.5 Explain principles of skin incisions** Skin- II Skin and deep fasciae- super facial fasciae I. Definitions, area, types, pigmentations, surface irregularities – tension lines , flexure lines, papillary ridges, function, applied anatomy, skin incision, dermatome II.	**AN4.3 Describe superficial fascia along with fat distribution in body AN4.4 Describe modifications of deep fascia with its functions** Superfacial Facia Histology of skin and skin appendages, super facial fasciae	**AN5.1 Differentiate between blood vascular and lymphatic system AN5.2 Differentiate between pulmonary and systemic circulation AN5.3 List general differences between arteries & veins AN5.4 Explain functional difference between elastic, muscular arteries and arterioles** CVS -I Types of Circulation of blood, Arteries, Veins, Capillaries, Anastomoses, End Arteries, Clinical Anatomy (VI- Medicine) (HI- Physiology)

11 - 01pm	**AN2.6 Explain the concept of nerve supply of joints & Hilton's law** **Joints – II** **I. Subtypes of fibrous and cartilaginous joints** **II. Movement and mechanism of joint** **III. Lubrication of joint** **IV. Blood supply, nerve supply- Hilton's law, lymphatic drainage, stability of synovial joint** **Cartilage (H) (Batch-A)** **Scapula - II (Batch-B)**	**AN3.1 Classify muscle tissue according to structure & action** **AN3.2 numerate parts of skeletal muscle and differentiate between tendons** Muscles - I I. Derivation of name II. Definition III. Classification of muscles, describe the shunt and spurt muscles IV. Skeletal cardiac and smooth muscles, skeletal muscles, part structure supporting tissue, functional classification, slow and fast acting muscles, fascicular architecture **Scapula - II(Batch-A)** **Cartilage (Batch-B)**	**AN67.1 Identify various types of muscle under the microscope AN67.2 Classify muscle and Identify the structure-function correlation of the same AN67.3 Identify the ultrastructure of muscular tissue** Muscles - II I. Lubricating mechanisms, nomenclature of muscles II. Blood supply of skeletal muscles III. Nerve supply of skeletal muscles IV. Neuromuscular junction V. Actions of muscles VI. Mechanics of muscles VII. Applied Anatomy **Joints - I (Batch-A) Muscle-I (Batch-B)**	**AN7.5 Identify principles of sensory and motor innervation of muscles** **AN7.6 Identfy concept of loss of innervation of a muscle with its applied anatomy** Muscles – III- Histology of muscles **Muscle-I (H) (Batch-A)** **Joints - I (Batch-B)**	**AN72.1 The skin and its appendages under the microscope and correlate the structure with function** Skin – Skin and deep fasciae- super facial fasciae I. Definitions, area, types, pigmentations, surface irregularities – tension lines , flexure lines, papillary ridges, function, applied anatomy, skin incision, dermatome II. Histology of skin and skin appendages, super facial fasciae **Muscle-II (H) (Batch-A)** **Joints - II (Batch-B)**	**AN5.7 Demonstrate function of meta-arterioles, precapillary sphincters, arterio-venous anastomoses AN5.8 Define thrombosis, infarction & aneurysm** Histology of blood vassals- **Hemerus -I (Batch-A) Histology of Skin (Batch-B)**
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
02 - 03pm	Study of Amphibian Appliances Study of Microscope Qualitative Study of Instrumentation of Biochemistry (B)	Action Potential Study of Haematology Appliances Qualitative Study of Monosaccharide (Glucose) (B)	Action Potential Study of Haematology Appliances Qualitative Study of Monosaccharide (Glucose) (B)	**ECE** Metabolic Acidosis (P)	**Practical/Demonstration** Primary and Secondary Circuit in Amphibian Laboratory (P)	**SGD/Tutorial** Active Transport (P)
03 - 04pm				**SGD/Tutorial** Transport Machanism of Cell (B)	**Practical/Demonstration** Study of Fructose (B)	**Community Medicine Practical/Visit/AETCOM MRD**
04 - 05pm	**CM1.3** **Describe the characteristics of agent, host and environmental factors in health and disease and the multi factorial etiology of disease** Community Medicine Introduction Epidemiology	SDL/ Lecture Concepts of enzyme, isoenzyme, alloenzyme & coenzyme (B)	**SDL** Osmosis (P)	**ECE**- Physiological Function of Cell (HI- Physiology) (B)	**SDL - Scapula (Anatomy)**	

Day	*Monday*	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Saturday*
Date/Time	*30.09.2019*	*01.10.2019*	*02.10.2019*	*03.10.2019*	*04.10.2019*	*05.10.2019*
09-10am	**PY2.1 Describe the composition and functions of blood components** Blood components	**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)		**PY2.2 Discuss the origin, forms, variations and functions of plasma Proteins** Plasma proteins (HI-Biochemistry)	**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)	**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)
10 - 11am	**AN5.5 Describe portal system giving examples AN5.6 Describe the concept of anastomoses and collateral circulation with significance of end-arteries AN5.7 Explain function of meta-arterioles, precapillary sphincters, arterio-venous anastomoses AN5.8 Define thrombosis, infarction & aneurysm** CVS -II Histology of blood vassals (VI- Medicine) (HI- Physiology)	**AN6.1 List the components and functions of the lymphatic system AN6.2 decribe structure of lymph capillaries & mechanism of lymph circulation AN6.3 Explain the concept of lymphoedema and spread of tumors via lymphatics and venous system** Lymphatic- I I. Features, components, central lymphoid tissue, peripheral lymphoid organs, mononuclear phagocyte growth pattern, function and applied	**ndhi jayanti**	**AN7.1 Describe general plan of nervous system with components of central, AN7.7 describe various type of synapse peripheral & autonomic nervous systems AN7.2 List components of nervous tissue and their functions AN7.3 Describe parts of a neuron and classify them based on number of neurites, size & function** CNS - I I. Parts of nervous system, cell type of nervous system, excitable cells, synapse, neuroglia, function of glial and ependymal cells, degeneration and regeneration	**AN7.4 describe structure of a typical spinal nerve AN7.8 Describe differences between sympathetic and spinal ganglia AN7.5 Describe principles of sensory and motor innervation of muscles AN7.6 Describe concept of loss of innervation of a muscle with its applied anatomy** CNS - II Spinal nerve, nerve plexus, blood brain barrier, reflex arc	**AN68.1 describe & multipolar & unipolar neuron, ganglia, peripheral nerve AN68.2 describe the structure-function correlation of neuron AN68.3 Describe the ultrastructure of nervous tissue** CNS- III Nerve fiber classifications, Histology, structure of myelinated nerve fiber, nonmyelinated nerve fibers, classification of peripheral nerve fibers, difference between sympathetic and spinal ganglia

11 - 01pm	**AN5.7 Demonstrate function of meta-arterioles, precapillary sphincters, arterio-venous anastomoses AN5.8 Define thrombosis, infarction & aneurysm** Histology of blood vassals Hemerus -I (Batch-A) Histology of Skin (Batch-B)	**AN6.2 Demonstrate structure of lymph capillaries & mechanism of lymph circulation** Lymphatic – I I. Features, components, central lymphoid tissue, peripheral lymphoid organs, mononuclear phagocyte growth pattern, function and applied **Histology of Skin (Batch -A) Hemerus -I (Batch -B)**	**Holiday of Ga**	**AN7.2 List components of nervous tissue and their functions AN7.3 Demonstrate parts of a neuron and classify them based on number of neurites, size & function** CNS – I Parts of nerves system, cell type of nerves system, excitable cells, synapse, neuroglia, function of glial and ependymal cells, degeneration and regeneration **CVS (Batch-A) Hemerus -II (Batch- B)**	**AN7.6 Dissucuss the concept of loss of innervation of a muscle with its applied anatomy** CNS – II Spinal nerve, nerve plexus, blood brain barrier, reflex arc **Radius and Ulna - I (Batch A & B)**	**AN68.3 Study the ultrastructure of nervous tissue** CNS – III Nerve fiber classifications, Histology, structure of myelinated nerve fiber, nonmyelinated nerve fibers, classification of peripheral nerve fibers, difference between sympathetic and spinal ganglia **Radius and Ulna - II (Batch A & B)**
01 - 02pm	Lunch	Lunch		Lunch	Lunch	Lunch
02 - 03pm	Action Potential Study of Haematology Appliances Qualitative Study of Monosaccharide (Glucose) (B)	**(PY 3.18)** Gradation of stimuli & strength duration curve - Specific Gravity, relative viscosity of blood - (P) Qualitative Study of Monosaccharide (Fructose) (B)		**ECE** Thalassemia (P)	**Practical/Demonstration** Focusing of Neubauer's counting chamber under microscope (P)	**SGD/Tutorial** Haemopoiesis (P)
03 - 04pm				**SGD/Tutorial** Enzymes Markers (B)	**Practical/Demonstration** Study of Disaccharide (Maltose & Lactose) (B)	**Community Medicine Practical/SGD/AETCOM CSSD**
04 - 05pm	**CM1.4 Describe and discuss the natural history of disease** Community Medicine Natural history of disease	**SDL** Enzymes (co-factors. Enumerate the main classes of IUBMB nomenclature) (B)		**Community Medicine SDL** Perception of disease by community	**SDL - Humerus (Anatomy)**	
Day	***Monday***	***Tuesday***	***Wednesday***	***Thursday***	***Friday***	***Saturday***

Date/Time	*07.10.2019*	*08.10.2019*	*09.10.2019*	*10.10.2019*	*11.10.2019*	*12.10.2019*
09-10am	**PY3.2** **Describe the types, functions & properties of nerve fibers** Nerve Fiber-1		**PY3.2** **Describe the types, functions & properties of nerve fibers** Nerve Fiber-2	**PY2.3** **Describe and discuss the synthesis and functions of Haemoglobin and explain its breakdown. Describe variants of haemoglobin** Haemoglobin (HI-Biochemistry)	**BI3.1 A** **Discuss and differentiate monosaccharides, di-saccharides 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	**BI3.1 B** **Discuss and differentiate monosaccharides, di-saccharides and polysaccharides giving examples of main carbohydrates as energy fuel, structural element and storage in the human body** Chemistry of carbohydrate II Classifications, Functions & Structure of Carbohydrate
10 - 11am	FA General Anatomy	**mi**	**AN9.1Describe attachment, nerve supply & action of pectoralis major and pectoralis minor** Pectoral region, cutaneous nerves and vessels, Pectorelis muscles, Pectoral fasia, Clavipectoral fasia	**AN9.2Breast: 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** Breast **(VI- General Surgery) {ECE}**	**AN10.1 describe boundaries and contents of axilla** Axilla:Boundries and Content	**AN10.3 Describe, formation, branches, relations, area of supply of branches, course and relations of terminal branches of brachial plexus** Brachial plexus: Formation, Componants, branches, Applied Anatomy, Erb's palsy and Klumpke's paralysis **(VI- General Surgery)**

11 - 01pm	Formative Assesment (FA)	**Holiday of Vijyadash**	Dissection of Pectoral region **Dissection of Pectoral region (Batch A & B)**	Dissection of breast and ECE **Dissection of breast and ECE (Batch A & B)**	**AN10.1 Identify boundaries and contents of axilla AN10.2 Identify and demonstrate the origin, extent, course, parts, relations and branches of axillary artery & tributaries of vein AN10.4 demonstrat the anatomical groups of axillary lymph nodes and specify their areas of drainage** Dissection of Axilla **Dissection of Axilla (Batch A & B)**	**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 AN10.7 Explain anatomical basis of enlarged axillary lymph nodes** Dissection of Brachial plexus **Dissection of Brachial plexus (Batch A & B)**
01 - 02pm	Lunch		Lunch	Lunch	Lunch	Lunch
02 - 03pm	**(PY 3.18)** Gradation of stimuli & strength duration curve - (P) Specific Gravity, relative viscosity of blood - (P) Qualitative Study of Monosaccharide (Fructose) (B)		**(PY 3.18)** Gradation of stimuli & strength duration curve - (P) Specific Gravity, relative viscosity of blood - (P) Monosaccharide (Fructose) (B)	**ECE** Neuro-musculo blockers **(P)**	**Practical/Demonstration** Recording of Action potential (P)	**SGD/Tutorial** Hb-O2 Curve
03 - 04pm				**SGD/Tutorial** Iso Enzyme (B)	**Practical/Demonstraion** Qualitative Study of Disacchride (Sucrose) (B)	**Community Practical/SGD/AETCOM CSSD**
04 - 05pm	Community Medicine Lecture **Describe the application of interventions at various levels of prevention** levels of prevention		**SDL** Neutrophil (P)	**ECE** Interepret the enzymes results (pathology) (B)	**SDL - Brachial Plexus (Anatomy)**	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	14.10.2019	15.10.2019	16.10.2019	17.10.2019	18.10.2019	19.10.2019
09-10am	**PY3.3** **Describe the degeneration and regeneration in peripheral nerves** Degeneration and regeneration in peripheral nerves (VI- General Medicine)	**PY2.4** **Describe RBC formation (erythropoiesis & its regulation) and its Functions** RBC	**PY3.4** **Describe the structure of neuro-muscular junction and transmission of impulses** Neuromuscular junction-1	**PY3.5** **Discuss the action of neuro-muscular blocking agents** Neuromuscular junction-2 (VI – Anaesthesiology, Pharmacology & Pathology)	**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	**BI3.4 A Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt).** **BI3.5 Describe and discuss the regulation, functions and integration of carbohydrate along with associated diseases/disorders.** **BI3.7 Describe the common poisons that inhibit crucial enzymes of carbohydrate metabolism (eg; fluoride, arsenate)** Metabolism of CHB, Glycolysis & its Regulation & energetics (VI- General Medicine)

10 - 11am	**AN10.11 Describe attachment of serratus anterior with its action AN10.13 Explain anatomical basis of Injury to axillary nerve during intramuscular injections** Back, Scapula Region, Cutaneous nerves, Blood Vessels, Muscles- Trapezius, latissimus, dorsai ,Deep Muscles , Levator Scapulai, Rhomboidus majar & minor. Triangle of Auscultation, Lumber triangle of Petit,Movement of scapula	**AN10.10 Describe the deltoid and rotator cuff muscles** scapular/ Deltoid region - Scapulo-Humerus movement, Deltoid, supraspinatous, Infraspinatous,Coracobrachialis, Short head of Biceps, Rotator cuff, Movement of Scapula	**AN11.1 Describe muscle groups of upper arm with emphasis on biceps and triceps brachii AN11.2 describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels in arm** Front of Arm: Muscles, nerve & Blood Vessels & Cubital fossa	**AN11.5 describe boundaries and contents of cubital fossa AN11.3 Describe the anatomical basis of Venepuncture of cubital veins** Cubital Fossa (VI- General Surgery)	**AN11.4 Describe the anatomical basis of Saturday night paralysis AN10.9 Describe the arterial anastomosis around the scapula and mention the boundaries of triangle of auscultation AN10.13 Explain anatomical basis of Injury to axillary nerve during intramuscular injections** Back of Arm : Muscles, nerves, Blood vessels, Triangular & qurangular spaces, anastomosis around Scapula (VI- Orthopedics)	**AN10.12 Describe shoulder joint for– type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, muscles involved, blood supply, nerve supply and applied anatomy** Shoulder Joint : Acromio-Clavicular joint, sterno clavicular joint (VI- Orthopedics)
11 - 01pm	**AN10.8 identify and demonstrate the position, attachment, nerve supply and actions of trapezius and latissimus dorsi** Dissection of Scapular Region **Dissection of Scapular Region (Batch A & B)**	**AN10.10 Identify the deltoid and rotator cuff muscles** Dissection of Back of scapula **Dissection of Back of scapula (Batch - A & B)**	**AN11.2 Identify origin, course, relations, branches (or tributaries), termination of important nerves and vessels in arm** Dissection of Front of Arm **Dissection of Front of Arm (Batch - A & B)**	**AN11.5 Identify boundaries and contents of cubital fossa** Dissection of Cubital Fossa **Dissection of Cubital Fossa (Batch - A & B)**	Dissect the back of Arm, identiy the various Nerves Blood Vessels **Dissect the back of Arm, identiy the various Nerves Blood Vessels (Batch - A & B)**	**AN10.12 Demonstrate shoulder joint for– type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, muscles involved, blood supply, nerve supply and applied anatomy** Dissect the shoulder joint **Dissect the shoulder joint (Batch - A & B)**
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch

02 - 03pm	**(PY 3.18)** Muscle-Nerve preparation & Simple Muscle Curve -P **(PH2.12)** Tonicity of saline and Fragility of RBC - P Qualitative Study of Disacchride (Maltose & Lactose) (B)	**(PY 3.18)** Muscle-Nerve preparation & Simple Muscle Curve -P **(PH2.12)** Tonicity of saline and Fragility of RBC - P Qualitative Study of Disacchride (Maltose & Lactose) (B)	**(PH2.12)** Muscle-Nerve preparation & Simple Muscle Curve -P **(PH2.12)** Tonicity of saline and Fragility of RBC - P Qualitative Study of Disacchride (Maltose & Lactose) (B)	**ECE** Jaundice (P)	**Practical/Demonstraion** WBC Count (P)	**SGD/Tutorial** Neuroglia (P)
03 - 04pm				SGD/Tutorial FA - Enzyme (B)	**Practical/Demonstraion** Osazone (B)	**Community Practical/SGD/AETCOM Water teratment plant**
04 - 05pm	**CM1.6** **Describe and discuss the concepts, the principles of Health promotion and Health Education, IEC and Behavioral change communication (BCC)** IEC	**SDL** Journal Camplition (B)	**SDL** Properties of nerve fiber (P)	**ECE** Clinical Importance of Mucopolisaccharide (VI-General Medicine) (B)	**SDL - Cubital fossa (Anatomy)**	

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Date/Time	21.10.2019	22.10.2019	23.10.2019	24.10.2019	25.10.2019	26.10.2019
09-10am	**PY2.5** **Describe different types of anaemias & Jaundice** Anaemia (VI- Pathology) (HI – Biochemistry)					

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** Cutanous Nerve , Dermatomes Superficial vessels, lymphatic dranaige of upper limb	**22th to 31th October Diwali Vacations**
11 - 01pm	**AN8.5 Identify and name various bones in articulated hand, Specify the parts of metacarpals and phalanges and enumerate the peculiarities of pisiform** Demonstration Articulated Hand **Demonstration Articulated Hand (Batch - A& B)**	
01 - 02pm	Lunch	

02 - 03pm	**(PY-3.18)** Effect of temperature on Skeletal muscle. - P **(PY-2.11)** Estimation of haemoglobin - P Qualitative Study of Disacchride (Sucrose) (B)					
03 - 04pm						
04 - 05pm	**CM1.7 Enumerate and describe health indicators** Indicators of health					

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	28.10.2019	29.10.2019	30.10.2019	31.10.2019	01.11.2019	02.11.2019
09-10am					**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)	**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)

10 - 11am	**22th to 31th October Diwali Vacations**	**AN12.1 Describe important muscle groups of ventral forearm with attachments, nerve supply and actions** Front of Forearm -I - Muscles	**AN12.2 describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of forearm** Front of Forarm -II - Nerve & Blood Vessels
11 - 01pm		**AN12.1 Demonstrate important muscle groups of ventral forearm with attachments, nerve** supply and actions Dissection of Forarm **supply and actions** **Dissection of Forarm (Batch - A & B)**	**AN12.2 Identify origin, course, relations, branches (or tributaries), termination of important nerves and vessels of forearm** Dissection of Forarm **Dissection of Forarm (Batch - A& B)**
01 - 02pm		Lunch	Lunch
02 - 03pm		**Practical/Demonstration** RBC count (P)	**SGD/Tutorial** Erythropoiesis (P)
03 - 04pm		**Practical/Demonstration** study of Polysaccharide (Starch) (B)	**Community Practical/SGD/AETCOM Water teratment plant**
04 - 05pm		**SDL - Joint forearm (Anatomy)**	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	04.11.2019	05.11.2019	06.11.2019	07.11.2019	08.11.2019	09.11.2019
09-10am	**PY3.7** **Describe the different types of muscle fibres and their structure** Types of Muscle (HI- Human Anatomy)	**PY2.6** **Describe WBC formation (granulopoiesis) and its regulation** WBC	**PY3.8** **Describe action potential and its properties in different muscle types (skeletal & smooth)** Action potential in Muscle	**PY2.7** **Describe the formation of platelets, functions and variations** Platelet	**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)	**BI3.4 D** **Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt).** Gluconeogenesis , its importance & regulations (VI- General Medicine)

10 - 11am	**AN12.3 describe flexor retinaculum with its attachments AN12.4 Explain anatomical basis of carpal tunnel syndrome AN12.9 describe fibrous flexor sheaths, ulnar bursa, radial bursa and digital synovial sheaths AN12.10 Explain infection of fascial spaces of palm** Flexer retinnaculum , Palmar aponuersis,flexer fibrous sheath, superficial palmer arch (VI- General Surgery)	**AN12.5 describe small muscles of hand. Also describe movements of thumb and muscles involved AN12.7 describe course and branches of important blood vessels and nerves in hand** Short muscles of hand, Thener & hypothener muscles, superficial palmar arch, Nerves of hand, Blood vessels of hand (VI- General surgery)	**AN12.11 describe and demonstrate important muscle groups of dorsal forearm with attachments, nerve supply and actions** Extensor compartment-I,Superficial muscles, Brachioradialis,Ext. Carpi radialis Longus, Ext.Carpiradialis brevis, Ext.DigitiminiExt. Carpi ulnaris, Anconeus (VI-General surgery)	**AN12.12 describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of forearm AN12.13 Describe the anatomical basis of Wrist drop AN12.15 describe extensor expansion formation** Extensor compartment -II, Extensor retinaculum, Post.Inter ossieus nerve, post.Interosscus artery & Applied (VI- General surgery)	**AN13.3 describe the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, blood and nerve supply of elbow joint, proximal and distal radio-ulnar joints, wrist joint & first carpometacarpal joint** Elbow Joint, Radio ulnar joint	**AN13.3 describe the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, blood and nerve supply of wrist joint & first carpometacarpal joint AN13.4 Describe Sternoclavicular joint, Acromioclavicular joint, Carpometacarpal joints & Metacarpophalangeal joint AN21.1 Identify and describe the salient features of sternum,** Wrist joint, Sterno-clavicular joint , Acromio-clavicular joint, Carpo-Metacarpal joint

11 - 01pm	**AN12.3 Identify flexor retinaculum with its attachments AN12.4 Explain anatomical basis of carpal tunnel syndrome AN12.9 Identify fibrous flexor sheaths, ulnar bursa, radial bursa and digital synovial sheaths Dissection of Flexor retinnaculum , Palmar aponuersis,Flexor fibrous sheath, superficial palmer arch** Dissection of **Flexor retinnaculum , Palmar aponuersis,Flexor fibrous sheath, superficial palmer arch (Batch - A& B)**	**AN12.5 Identify small muscles of hand. AN12.6 demonstrate movements of thumb and muscles involved AN12.7 Identify course and branches of important blood vessels and nerves in hand AN12.8 anatomical basis of Claw hand** Dissection of Palm **Dissection of Palm** (Batch - A&B)	**AN12.11 Identify and demonstrate important muscle groups of dorsal forearm with attachments, nerve supply and actions** Dissection of Back of forarm **Dissection of Back of forarm (Batch - A&B)**	**AN12.12 Identify origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of forearm AN12.14 Identify compartments deep to extensor retinaculum AN12.15 Identify extensor expansion formation** Dissection of Extensor compartment of Forarm **Dissection of Extensor compartment of Forarm (Batch - A&B)**	**AN13.3 Identify the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, blood and nerve supply of elbow joint, proximal and distal radio-ulnar joints, wrist joint & first carpometacarpal joint** Dissection of Wrist and inferior radio-ulnar joint **Dissection of Wrist and inferior radio-ulnar joint (Batch - A&B)**	**AN13.3 Identify the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, blood and nerve supply of elbow joint, proximal and distal radio-ulnar joints, wrist joint & first carpometacarpal joint AN21.1 Identify and describe the silent features of sternum, typical rib, Ist rib and typical thoracic vertebra** Demonstration of Sternum Demonstration of Sternum **(Batch - A&B)**
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch

02 - 03pm	**(PY-3.18)** Effect of temperature on Skeletal muscle.-P **(PY- 2.11)** Estimation of haemoglobin - P Qualitative Study of Disacchride (Sucrose) (B)	**(PY-3.18)** Effect of temperature on Skeletal muscle. - P **(PY- 2.11)** Estimation of haemoglobin - P Qualitative Study of Disacchride (Sucrose) (B)	**(PY-3.18)** Effect of load on Skeletal Muscle Contraction - P **(PY- 2.11)** Total white blood cell count - P Study of Osazone (B)	**ECE** Myasthenia gravis (P)	**Practical/Demonstraion** Focusing of Nuetrophil (P)	**SGD/Tutorial** Neurotransmitters (P)
03 - 04pm				**SGD/Tutorial** HMP Shunt & their significance (VI- General Medicine) (B)	**Lecture** **BI11.23 Calculate energy content of different food Items, identify food items with high and low glycemic index and explain the importance of these in the diet** Energy content of different food itmes & their glycemic index (B)	**Community Practical/SGD/AETCOM** **Sewage teratment plant**
04 - 05pm	**CM2.1** **Describe the steps and perform clinico socio-cultural and demographic assessment of the individual, family and community** Sociocultural aspects of Health	**SDL/ Lecture** Glycolysis, TCA Cycle, Glycogen Metabolism (B)	**SDL** ESR (P)	**SDL**- Cultural, Manners, Taboor, Rituals, Beliefs, Customs in the society for Nov (CM)	**SDL - Shoulder Joint (Anatomy)**	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	11.11.2019	12.11.2019	13.11.2019	14.11.2019	15.11.2019	16.11.2019
09-10am	**PY3.9** **Describe the molecular basis of muscle contraction in skeletal and in smooth muscles** Muscle contraction-1		**PY3.9** **Describe the molecular basis of muscle contraction in skeletal and in smooth musclesMuscle** contraction-2	**PY2.8** **Describe the physiological basis of hemostasis and, anticoagulants.** **Describe bleeding & clotting disorders (Hemophilia, purpura)** Hemostasis-1 (VI-Pathology)	**BI3.8** **Discuss and interpret laboratory results of analytes associated with metabolism of carbohydrates BI3.9** **Discuss the mechanism and significance of blood glucose regulation in health and disease.** **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)	**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)

10 - 11am	**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** Surface Marking of Upper Limb	**Holiday of Gurunanak Jayanti**	**AN13.5 bones and joints of upper limb seen in anteroposterior and lateral view radiographs of shoulder region, arm, elbow, forearm and hand** Radiology of Upper Limb (VI- Radio Diagnosis)	**AN73.1 Describe the structure of chromosomes with classification** **AN73.2 Describe technique of karyotyping with its applications** **AN73.3 Describe the Lyon's hypothesis** Genetic - I : Chromosome Structure, Classification, Karyotyping and Lyon Hypothesis	**AN74.1 Describe the various modes of inheritance with examples** **AN74.3 Describe multifactorial inheritance with examples** Patterns of Inheritance (VI- General Medicine, Pediatrics)	**AN74.4 Describe the genetic basis & clinical features of Achondroplasia, Cystic Fibrosis, Vitamin D resistant rickets, Haemophilia, Duchene's muscular dystrophy & Sickle cell anaemia** Cytogenetics **(VI- General Medicine, Pediatrics)**

11 - 01pm	**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** Surface Marking of Upper Limb **Surface Marking of Upper Limb (Batch- A & B)**		**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** Radiology of Upper Limb Radiology of Upper Limb **(Batch - A & B)**	**AN21.1 Identify the silent features of typical thoracic vertebra** Demonstration Thorasic Vertibrea- I Demonstration Thorasic Vertibrea- I (Batch - A & B)	**AN21.1 Identify and describe the silent features of atypical thoracic vertebra** Demonstration Thorasic Vertibrea- II **Demonstration Thorasic Vertibrea- II (Batch - A & B)**	**AN21.2 Identify the features of Tupical ribs** Demonstration of Typical Rib **Demonstration of Typical Rib (Batch - A & B)**
01 - 02pm	Lunch		Lunch	Lunch	Lunch	Lunch
02 - 03pm	**(PY-3.18)** Effect of load on Skeletal Muscle Contraction - P **(PY- 2.11)** Total white blood cell count - P Study of Osazone (B)		**(PY-3.18)** Effect of load on Skeletal Muscle Contraction - P **(PY- 2.11)** Total white blood cell count - P Study of Osazone (B)	**ECE** Rh incompatibility (P)	**Practical/Demonstration** Focusing of lyphocyte (P)	**SGD/Tutorial** Cell mediated immunity (P)
03 - 04pm				**SGD/Tutorial** Other metabolism pathway of CHB (B)	**Practical** Qualitative study of Polysaccharide (Dextrins) (B)	**Community Medicine Practical/SGD/AETCOM Incinerator**
04 - 05pm	**CM2.2** **Describe the socio-cultural factors, family (types), its role in health and disease & demonstrate in a simulated environment the correct assessment of socio-economic status** Family in Health and Disease		**SDL** Neuro-muscular transmission (P)	**ECE** Clinical Importance of Carbohdrate metaboilsm (VI- General Medicine & Pathology) (B)	**SDL - Blood Supply of Heart (Anatomy)**	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	18.11.2019	19.11.2019	20.11.2019	21.11.2019	22.11.2019	23.11.2019
09-10am	**PY2.8** **Describe the physiological basis of hemostasis and, anticoagulants.** **Describe bleeding & clotting disorders (Hemophilia, purpura)** Hemostasis-2 (VI- Pathology)	**PY3.10** **Describe the mode of muscle contraction (isometric and isotonic)** Type of muscle contraction	**PY2.9** **Describe different blood groups and discuss the clinical importance of blood grouping, blood banking and transfusion** Blood group-1	**PY2.9** **Describe different blood groups and discuss the clinical importance of blood grouping, blood banking and transfusion** Blood group -2	**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)	**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)

10 - 11am	**AN75.1 Describe the structural and numerical chromosomal aberrations AN75.2 Explain the terms mosaics and chimeras with example AN75.3 Describe the genetic basis & clinical features of Prader Willi syndrome, Edward syndrome & Patau syndrome AN75.4 Describe genetic basis of variation: polymorphism and mutation** Principle of Genetics, Choromosomal Aberration (VI- Pediatrics)	**AN75.5 Describe the principles of genetic counselling** Genetic Counseling (VI- Pediatrics, Obstetrics & Gynaecology)	**AN21.3 Describe boundariesof thoracic inlet, cavity and outlet.** Introduction of thoracic cage	**AN21.4 Describe extent attachments direction of fibre, nerve supply and action of intercostal muscles.** Coverings of thoracic wall intercostal muscles intercostal spaces, intercostal muscles, nerve supply and actions.	**AN21.5 Describe origin course, relations and branches of a typical introcostal AN21.6 Mention origin, course and branches/ tributaries of: *I*) anterior & posterior intercostal vessels II) internal thoracic vessels AN 21.7: Mention origin, course relations & Branches of: 1. Atypical intercostal nerve. 2. Superior intercostal artery, subcostal artery** Intercostal nerves intercostal vessels, internal thoracic artery, Lymphatics & Lymph node.	**AN21.8 Describe type surfaces and movements of Manubriosternal, costovertebral, costotransverse and xiphisternal joints SGD -** Joints of Thorax (Manubrio-sternal, costovertebral, costotransverse and xiphisternal joints.

11 - 01pm	**AN21.2 Identify the features of 2nd, 11th and 12th ribs, 1st, 11th and 12th thoracic vertebrae** Demonstration of Atypical Rib **Demonstration of Atypical Rib (Batch A & B)**	**AN74.2 Draw pedigree charts for the various types of inheritance & give examples of diseases of each mode of inheritance** Practical of Genetics **Practical of Genetics (Batch A & B)**	**AN21.3 Demonstration of boundariesof thoracic inlet, cavity and outlet.** Bony Thoracic cage **Bony Thoracic cage (Batch A & B)**	**AN21.4 demonstrate extent, attachments, direction of fibres, nerve supply and actions of intercostal muscles** Dissection of intercostal space, intercostal muscles & nerve **Dissection of intercostal space, intercostal muscles & nerve (Batch A & B)**	**AN21.5 Demonstrate origin course, relations and branches of a typical introcostal AN 21.7: Mention origin, course relations & Branches of: 1. Atypical intercostal nerve. 2. Superior intercostal artery, subcostal artery** Dissection of contents of intercostal space **Dissection of contents of intercostal space (Batch A & B)**	**AN21.8 Demonstration of type surfaces and movements of Manubriosternal, costovertebral, costotransverse and xiphisternal joints** Demostration of joint of Thorax **Demostration of joint of Thorax (Batch A & B)**
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
02 - 03pm	**(PY-3.18)** Effect of two successive stimuli - P **(PY- 2.11)** Total red blood cell count -P Qualitative study of Polysaccharide (Starch & Dextrins) (B)	**(PY-3.18)** Effect of two successive stimuli - P **(PY- 2.11)** Total red blood cell count -P Qualitative study of Polysaccharide (Starch & Dextrins) (B)	**(PY-3.18)** Effect of two successive stimuli - P **(PY- 2.11)** Total red blood cell count -P Qualitative study of Polysaccharide (Starch & Dextrins) (B)	**ECE** Blood transfusion (P)	**Practical/Demonstration** Platelet count (P)	**SGD/Tutorial** Diffrence b/w skeletal, smooth & Cardiac muscle
03 - 04pm				SGD/Tutorial FA - Carbohydrate chemistry & Metabolism (B)	**Practical/Demonstration** Study of Unknown Carbohydrate (B)	**Health Practical/Visit/AETCOM Incinerator**
04 - 05pm	**CM2.3 Describe and demonstrate in a simulated environment the assessment of barriers to good health and health seeking behavior** Barriers to Health	**SDL** Glycogen storage diseases (B)	**SDL** Hemophilia (P)	**ECE** - GTT (B) (VI-Pathology)	**SDL - Angina Pectoris (Anatomy)**	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	25.11.2019	26.11.2019	27.11.2019	28.11.2019	29.11.2019	30.11.2019
09-10am	**PY3.11** **Explain energy source and muscle metabolism** Muscle metabolism (HI-Biochemistry)	**PY3.12** **Explain the gradation of muscular activity** Gradation of muscular activity (VI- General Medicine)	**PY2.10** **Define and classify different types of immunity. Describe the development of immunity and its regulation** Immunity	**PY3.13** **Describe muscular dystrophy: myopathies** **PY3.17** **Describe Strength-duration curve** Muscular dystrophy: myopathies & Strength-duration curve (VI-General Medicine) (HI-Human Anatomy)	β Fatty acid oxidation (B)	Metabolism of Ketone body (B)

10 - 11am	**AN21.9 Describe mechanics and types of respiration. 21.10 Describe costochondral and interchondral joints** Costo-chondral & interchondral joints. Mechanics & Types of respiration. (HI-Physiology)	**AN 24.1: Mention the blood supply lymphatic drainage, nerve supply extent of pleura and describe pleural recesses and applied anatomy. 24.4 Describe phrenic nerve & describe its formation & distribution** Pleura Structure visible through pleura, Phrenic nerve. (VI-Sharing - General Medicine , HI-Alignment-Physiology)	**AN24.6 Describe the extent, length, relations, blood supply, lymphatic drainage and nerve supply of trachea AN24.2 Describe side, external features and relations of structures which form root of lung & bronchial tree and their clinical correlate AN24.3 Describe a bronchopulmonary segment AN24.5 Mention the blood supply, lymphatic drainage and nerve supply of lungs** Trachea, - Gross & Microscopic anatomy of Lung (VI-Sharing - General Medicine , HI-Alignment-Physiology)	**21.11 Mention boundaries and contents of the superior anterior, middle and posterior mediastinum**. MediastinumAnterior, middle, posterior and superior	**AN22.1 Describe subdivisions, sinuses in pericardium, blood supply and nerve supply of pericardium** Pericardium	**AN22.2 Describe external and internal features of each chamber of heart AN22.3 Describe origin, course and branches of coronary arteries AN22.4 Describe anatomical basis of ischaemic heart disease AN22.5 Describe the formation, course, tributaries and termination of coronary sinus** Heart-External feature, Blood supply & nerve Supply (VI- Sharing - General Medicine , HI-Alignment-Physiology)

11 - 01pm	**AN21.9 Demonstration of mechanics and types of respiration.** Demostration of joints **Demostration of joints (Batch- A&B)**	**24.4 Identify phrenic nerve & describe its formation & distribution** Dissection of pleura and phrenic nerve **Dissection of pleura and phrenic nerve (Batch- A&B)**	AN24.4 Identify phrenic nerve & describe its formation & distribution AN25.1Identify, draw and label a slide of trachea and lung Dissection of Trechea and Lung **Dissection of Trechea and Lung (Batch- A&B)**	**21.11 Identify the boundaries and contents of the superior anterior, middle and posterior mediastinum.** Dissection of Mediastinum **Dissection of Mediastinum (Batch- A&B)**	**AN22.1 demonstrate subdivisions, sinuses in pericardium, blood supply and nerve supply of pericardium** Dissection of Pericardium **Dissection of Pericardium (Batch- A&B)**	**AN22.2 Demonstration of external and internal features of each chamber of heart AN22.3 Demonstration of origin, course and branches of coronary arteries AN22.5 Demonstration of the formation, course, tributaries and termination of coronary sinus** Dissection of Heart, Coronary sinus **Dissection of Heart, Coronary sinus (Batch- A&B)**
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
02 - 03pm	**(PY-3.18)** Genesis of tetanus - P **(PY-2.11)** Cells in Peripheral blood film - P Identification of Unknown Carbohydrate (B)	**(PY-3.18)** Genesis of tetanus - P **(PY-2.11)** Cells in Peripheral blood film - P Identification of Unknown Carbohydrate (B)	**(PY-3.18)** Genesis of tetanus - P **(PY-2.11)** Cells in Peripheral blood film - P Identification of Unknown Carbohydrate (B)	**ECE** EMG (P)	**Practical/Demonstration** Reticulocyte count (P)	**SDL** Myopathies
03 - 04pm				**SGD/Tutorial** Lipid Chemistry (B)	**Practical/Demonstration** Color Reaction of Protein (B)	**Community Medicine Practical/SGD/AETCOM Solid waste management**
04 - 05pm	**CM2.4 Describe social psychology, community behavior and community relationship and their impact on health and disease** Psychology and Health	**SGD** Complex and Derived Lipids (B)	**SDL** Walk-along theory (P)	**ECE -** Disorders associated to Ketone Bodies (VI-Pathology) (B)	**SDL - Broncho Pulmonary system (Anatomy)**	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	09.12.2019	10.12.2019	11.12.2019	12.12.2019	13.12.2019	14.12.2019
	Ist Internal Assessment Exam 2.12.2019 to 07.12.2019					
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	**PY5.2 Describe the properties of cardiac muscle including its morphology, electrical, mechanical and metabolic functions** Cardiac Muscle	**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** Mechanics of Respiration	Synthesis of Fatty acid & its regulation (B)	**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)

10 - 11am	**AN22.2 Describe external and internal features of each chamber of heart** Interior of Right atrium & Right Ventricle (HI-Alignment- Physiology)	**AN22.2 Describe external and internal features of each chamber of heart** Interior of Left atrium & Left Ventricle (Hi - Alignment-Physiology)	**AN22.6 Describe the fibrous skeleton of heart AN22.7 Mention the parts, position and arterial supply of the conducting system of heart** Skeleton of Heart and condcting system of Heart (Vi-Sharing - General Medicine)	**AN23.1 Describe the external appearance, relations, blood supply, nerve supply,lymphatic drainage and applied anatomy of oesophagus** Oesophegus, Vagus nerve, superfacia and Deepcardiac plaxus, splanchnic nerve (VI-Sharing - General Surgery)	**AN23.4Mention the extent, branches and relations of arch of aorta & descending thoracic aorta AN23.2 Describe the extent, relations tributaries of thoracic duct and enumerate its applied anatomy AN23.7 Mention the extent, relations and applied anatomy of lymphatic duct** Aorta, Ascending aorta, desecnding thoracic aorta ,thoracic duct & lymph nodes of thorax (VI-Sharing - General Surgery)	**AN23.3 Describe origin, course, relations, tributaries and termination of superior venacava, azygos, hemiazygos and accessory hemiazygos veins** Superior Venacava, azygos vein, hemiazagos vessels of posteriar thorasic wall

11 - 01pm	**AN22.2 Demonstration of external and internal features of each chamber of heart AN22.3 Demonstration of origin, course and branches of coronary arteries** Dissection of Chambers of Heart **Dissection of Chambers of Heart (Batch- A& B)**	**AN22.2 Demonstration of external and internal features of each chamber of heart AN22.3 Demonstration of origin, course and branches of coronary arteries** Dissection of Chambers of Heart **Dissection of Chambers of Heart (Batch- A& B)**	AN14.1**Identify the given bone, its side, important features & keep it in anatomical position, AN14.2 Identify & describe joints formed by the given bone. AN14.4 Identify and name various bones in the articulated foot with individual muscle attachment** Demonstration of Hip Bone-I **Demonstration of Hip Bone-I (Batch- A& B)**	**AN14.1Identify the given bone, its side, important features & keep it in anatomical position, AN14.2 Identify & describe joints formed by the given bone. AN14.4 Identify and name various bones in the articulated foot with individual muscle attachment** Demonstration of Hip Bone-II **Demonstration of Hip Bone-II (Batch- A& B)**	**AN14.1Identify the given bone, its side, important features & keep it in anatomical position, AN14.2 Identify & describe joints formed by the given bone. AN14.4 Identify and name various bones in the articulated foot with individual muscle attachment** Demonstration of Lumbar Vertibrea **Demonstration of Lumbar Vertibrea (Batch- A& B)**	**AN14.1Identify the given bone, its side, important features & keep it in anatomical position, AN14.2 Identify & describe joints formed by the given bone. AN14.4 Identify and name various bones in the articulated foot with individual muscle attachment** Demonstration of Sacrum **Demonstration of Sacrum (Batch- A& B)**
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
02 - 03pm	**(PY-3.18)** Phenomenon of fatigue - P **(PY-2.11)** Differential W.B.C. count - P Study of Color reaction of Protein (B)	**(PY-3.18)** Phenomenon of fatigue - P **(PY-2.11)** Differential W.B.C. count - P Study of Color reaction of Protein (B)	**(PY-3.18)** Phenomenon of fatigue - P **(PY-2.11)** Differential W.B.C. count - P Study of Color reaction of Protein (B)	**ECE** Heart block (P)	**Practical/Demonstraion** Prothrombin time (P)	**SGD/Tutorial** SA node (P)
03 - 04pm				**SGD/Tutorial** Assignment distribution (B)	**Practical/Demonstraion** Precipitation reaction of Protein (B)	**Community Practical/visit/AETCOM Solid waste management**
04 - 05pm	**CM2.5 Describe poverty and social security measures and its relationship to health and disease** Poverty , Social Security and Health	**SDL** Carbohydrate metabolism with FA (B)	**SDL** Isotonic & isometric contraction of muscle (P)	**Community Medicine SDL Indian factory act and ESIS**	**SDL - Lymphatic Drainage of Breast (Anatomy)**	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	16.12.2019	17.12.2019	18.12.2019	19.12.2019	20.12.2019	21.12.2019
09 -10am	**PY5.3 Discuss the events occurring during the cardiac cycle** Caediac cycle	**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	**PY5.4 Describe generation, conduction of cardiac impulse** Conducting system of heart	**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** Diffusion of respiratory gases	Cholesterol Metabolism I Cholesterol biosynthesis, degradation of cholesterol & hyper & hypocholesterolemia (B)	**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)
10 - 11am	Surface marking - lines of pleural reflaction, borders of lungs and fissure of lung, borders of heart, valve of heart, apex beat	**AN25.8 describe in brief a barium swallow** Radiology - Structures seen on plain X-ray chest PA view	**Part complition test - Thorax**	**AN44.1 Describe the Planes (transpyloric, transtubercular, subcostal, lateral vertical, linea alba, linea semilunaris), regions & Quadrants of abdomen AN44.7 Enumerate common Abdominal incisions** introduction of Abdomen - Ant. Abd. Wall, Sup. Facia, Sup. Lymphatics (VI- Sharing- General Surgery)	**AN44.6 Describe attachments of muscles of anterior abdominal wall AN44.2 Describe the Fascia, nerves & blood vessels of anterior abdominal wall AN44.3 Describe the formation of rectus sheath and its contents** Muscles of Ant. Abdominal wall, Facia trasversalis, rectus sheath (VI- Sharing- General Surgery)	**AN44.4 Describe extent, boundaries, contents of Inguinal canal including Hesselbach's triangle.** Inguinal Ligament, Inguinal canal & Hesselbach`s Triangle (VI- Sharing- General Surgery)

11 - 01pm	**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** surface anatomy of thorax, marking on cadaver **surface anatomy of thorax, marking on cadaver (Batch A & B)**	**AN25.7 Identify structures seen on a plain x-ray chest (PA view) AN25.8 Identify and describe in brief a barium swallow** Radiology of Thorax **Radiology of Thorax (Batch A & B)**		**AN44.1 demonstrate the Planes (transpyloric, transtubercular, subcostal, lateral vertical, linea alba, linea semilunaris), regions & Quadrants of abdomen** Dissection of Ant. Abdomen wall **Dissection of Ant. Abdomen wall (Batch A & B)**	**AN44.6 Demonstration attachments of muscles of anterior abdominal wall AN44.2 Identify the Fascia, nerves & blood vessels of anterior abdominal wall AN44.3 Demostration the formation of rectus sheath and its contents** Dissection of Ant. Abdomen wall muscles, rectus sheath **Dissection of Ant. Abdomen wall muscles, rectus sheath (Batch A & B)**	**AN44.4 demonstrate extent, boundaries, contents of Inguinal canal including Hesselbach's triangle.** Dissection of Inguinal canal **Dissection of Inguinal canal (Batch A & B)**
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
02 - 03pm	**(PY-3.18)** Velocity of nerve impulse - P Revision of Haematology practicals - P Precipitaion reaction of Protein (B)	**(PY-3.18)** Velocity of nerve impulse - P Revision of Haematology practicals - P Precipitaion reaction of Protein (B)	**(PY-3.18)** Velocity of nerve impulse - P Revision of Haematology practicals - P Precipitaion reaction of Protein (B)	**ECE** MI (P)	**Practical/Demonstraion** Anti-Coagulant (P)	**SGD/Tutorial** Surfactant of lung (P)
03 - 04pm				**SGD/Tutorial** Plasma Protein diet & their applications (B)	**Practical/Demonstraion BI11.3 Describe the chemical components of normal urine.** Describe the normal constituents of Urine (B)	

04 - 05pm	CM3.2 Describe concepts of safe and wholesome water, sanitary sources of water, water purification processes, water quality standards,concepts of water conservation and rainwater harvesting **Environment and Health**	**Tutorial** Alfa & other oxidation of Fatty Acid. (B)	**SDL** Heart Sound (P)	**ECE** - Interprete the laboratory results of lipid metabolism (B) (VI- General Medicine)	**SDL - Diaphragm (Anatomy)**	**Community Practical/SGD/AETCOM Immunisation**

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	23.12.2019	24.12.2019	25.12.2019	26.12.2019	27.12.2019	28.12.2019
09-10am	**PY5.5** **Describe the physiology of electrocardiogram (E.C.G), its applications and the cardiac axis** Electrocardiogram (E.C.G)-1 (VI- General Medicine)	**PY6.3** **Describe and discuss the transport of respiratory gases: Oxygen and Carbon dioxide** Transport of respiratory gases		**PY5.6** **Describe abnormal ECG, arrythmias, heart block and myocardial Infarction** Electrocardiogram (E.C.G)-2 (VI-General Medicine) (HI-General Anatomy)	Chemistry of Amino acid-classification, properties and structures (B)	**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)

10 - 11am	**AN44.5 Explain the anatomical basis of inguinal hernia.** Inguinal Hernia, Scrotum, Spermatic cord (VI-Sharing- General Surgery)	**AN46.3 Describe Penis under following headings: (parts, components, blood supply and lymphatic drainage) AN46.1Describe coverings, internal structure, side determination, blood supply, nerve supply, lymphatic drainage & descent of testis with its applied anatomy** Penis, testis & Epididymis (VI- Sharing- General Surgery)		**AN45.1 Describe Thoracolumbar fascia AN47.1 Describe boundaries and recesses of Lesser & Greater sac** Post. Abdominal wall, Thoraco lumbar fascia, exposure of Kidney from back The Peritonium, features, folds, vertical disposion, lesser & greature Omentum (VI-Sharing-General Surgery)	**N47.1 Describe boundaries and recesses of Lesser & Greater sac, AN47.2Name of various peritoneal folds & pouches with its explanation, AN47.3 Explain anatomical basis of Ascites & Peritonitis** The Peritonium, features, folds, vertical disposion, lesser & greature Omentum (VI-Sharing-General Surgery)	**AN47.2Name of various peritoneal folds & pouches with its explanation,** Horizontal disposition of peritonium, omental bursa, lienorenal & Gastrospleenic ligament

11 - 01pm	**AN44.4 demonstrate extent, boundaries, contents of Inguinal canal including Hesselbach's triangle.** Dissection of Scrotum , Spermatic cord **Dissection of Scrotum , Spermatic cord (Batch A&B)**	**AN46.3 Demonstration of Penis under following headings: (parts, components, blood supply and lymphatic drainage) AN46.4 Explain the anatomical basis of Varicocoele AN46.5 Explain the anatomical basis of Phimosis & Circumcision** Dissection of Penis testis **Dissection of Penis testis (Batch A&B)**	**chrishmas holiday**	**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) AN47.1 Identify boundaries and recesses of Lesser & Greater sac** Dissection of Thoraco lumbar fascia, exposure of Kidney from back Dissection of Exposure of abdominal cavity, disposion of viscera (Batch A&B)	**AN47.2 identify various peritoneal folds & pouches with its explanation** Dissection of Peritonium **Dissection of Peritonium (Batch A&B)**	**AN47.2 identify various peritoneal folds & pouches with its explanation** Dissection of Peritonium - foleds & ligaments **Dissection of Peritonium - foleds & ligaments (Batch A&B)**
01 - 02pm	Lunch	Lunch		Lunch	Lunch	Lunch
02 - 03pm	Revision of Amphibian Practicals - P Absolute count, Arneth count - P **BI11.3 Describe the chemical components of normal urine.** Analysis of normal consituents of urine	Revision of Amphibian Practicals - P Absolute count, Arneth count - P **BI11.3 Describe the chemical components of normal urine.** Analysis of normal consituents of urine		**ECE** Arrhythmia	**Practical/Demonstraion** Cardiac cycle	**SGD/Tutorial** Cardiac Output
03 - 04pm				**SGD** Disorerds of cholestrol metabolism (B)	**Practical/Demonstraion BI11.4 Perform urine analysis to estimate and determine normal and abnormal constituents** study of abnormal constituents of Urine (B)	**Community Practical/Visit/AETCOM Immunisation clinic**

04 - 05pm	**CM3.3** **Describe the aetiology and basis of water borne diseases/jaundice/hepatitis / diarrheal diseases** Water borne diseases	**SDL/ Lecture** Lipid metabolism (B)		**ECE** Biological importance of Peptide (Physiology) (B)	**SDL - Thoraco lumber Fascia (Anatomy)**	Immunisation clinic
Day	***Monday***	***Tuesday***	***Wednesday***	***Thursday***	***Friday***	***Saturday***
Date/Time	***30.12.2019***	***31.12.2019***	***01.01.2020***	***02.01.2020***	***03.01.2020***	***04.01.2020***
09-10am	**PY6.7** **Describe and discuss lung function tests & their clinical significance** Lung function tests	**PY5.7** **Describe and discuss haemodynamics of circulatory system** Haemodynamics -1	**PY6.7** **Describe and discuss lung function tests & their clinical significance** Regulation of respiration	**PY5.7** **Describe and discuss haemodynamics of circulatory system** Haemodynamics -2	**BI5.1 Describe and discuss structural organization of proteins.** Chemistry of Protein different levels structures of protein (B)	**BI5.3** **Describe the digestion and absorption of dietary proteins.** Digestion and absorption of Protein (VI-Pediatrics) (B)

10 - 11am	**N47.5** Describe 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) **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 Abdominal part of Oesophagus, The stomach (Sharing-General Surgery)	**AN47.5** Describe Spleen 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)Spleen, portal vein, Porto caval anastomosic (Sharing - General Surgery)	**AN47.5** Describe the Duodenum under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) Duodenum- Gross Anatomy (Sharing - General Surgery)	**AN47.5** Describe small intestine under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) Small Intestine, Jejunum, Ileum, Mesentry, Diffrence between jejunum and ileum, Applied aspect structure (Sharing - General Surgery)	**AN47.5** Describe Large intestine under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) Large intestine, Parts cardinal features, caecum and appendix (Sharing - General Surgery)	**AN47.5** Describe Colon under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) Colon- Ascending colon, transverse colon,descending colon applied aspect (Sharing - General Surgery)

11 - 01pm	**AN47.5 Demonstration 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)** Dissection of oesophagus and stomach **Dissection of oesophagus and stomach (Batch A&B)**	**AN47.5 Demostration Spleen of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) AN47.8 identify the formation, course relations and tributaries of Portal vein, Inferior vena cava & Renal vein AN47.10 Enumerate the sites of portosystemic anastomosis AN47.11 Explain the anatomic basis of hematemesis& caput medusae in portal hypertension Dissection and Demonstration of spleen** Dissection and Demonstration of spleen (Batch A&B)	**AN47.5 Demonstrate the Duodenum under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects**) Dissection of Duodenum (Batch A&B)	**AN47.5 Demonstrate small intestine under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)** Dissection of Small Intestine (Batch A&B)	**AN47.5 Demonstrate Large intestine under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)** Dissection of Large Intestine (Batch A&B)	**AN47.5 Demonstrate Colon under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects**) Dissection of Colon (Batch A&B)
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
02 - 03pm				**ECE** Obstructive lung diseases	**Practical/Demonstraion** Plethysmography	**SGD/Tutorial** Acclimatization

03 - 04pm	Revision of Amphibian Practicals - P Absolute count, Arneth count - P **BI11.3 Describe the chemical components of normal urine.** Analysis of normal consituents of urine (B)	**(PY-3.18)** Frog's heart beat & effect of temperature - P **(PY-2.12)** Packed cell volume & ESR - P **BI11.4 Perform urine analysis to estimate and determine normal and abnormal** Analysis of abnormal consituents of urine (B)	**(PY-3.18)** Frog's heart beat & effect of temperature - P **(PY-2.12)** Packed cell volume & ESR - P **BI11.4 Perform urine analysis to estimate and determine normal and abnormal** Analysis of abnormal consituents of urine (B)	**SGD** Protien structure (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** Quality control (B)	**Community Medicine Practical/SGD/AETCOM Antenatal check up**
04 - 05pm	**CM3.4 Describe the concept of solid waste, human excreta and sewage disposal** Solid waste Management	**SGD** Degradation of Cholesterol - synthesis of Bile acid, steroid Hormones & Vitamin D. (B)	**SDL** Functions of Respiratory system	**Community SDL** **Once a month for Jan 2020** **Sociological aspect of Solid waste Disposal**	**SDL - Enmoral Traingel & Enmoral Harnia (Anatomy)**	

Day	*Monday*	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Saturday*

Date/Time	*06.01.2020*	*07.01.2020*	*08.01.2020*	*09.01.2020*	*10.01.2020*	*11.01.2020*
09-10am	**PY6.6 Describe and discuss the pathophysiology of dyspnoea, hypoxia, cyanosis asphyxia; drowning, periodic breathing** Applied Physiology of Respiratory system-1	**PY5.8 Describe and discuss local and systemic cardiovascular regulatory Mechanisms** Cardiovascular regulatory mechanisms	**PY6.6 Describe and discuss the pathophysiology of dyspnoea, hypoxia, cyanosis asphyxia; drowning, periodic breathing** Applied Physiology of Respiratory system-2	**PY5.9 Describe the factors affecting heart rate, regulation of cardiac output & blood pressure** Heart rate	Mechanism of Transamination and Deamination (B)	Urea Cycle- its regulations & metabolic disorders (B)
10 - 11am	**AN47.5 Describe Pancreas under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)** Pancreas (Sharing - General Surgery)	**AN47.5 Describe Liver under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)** Liver -I, Location, external features, surgical lobes, Peritoneal relations & ligaments (Sharing - General Surgery)	**AN47.5 Describe Liver under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) AN47.6 Explain 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** Liver-II- Relations with other organs, blood supply, Factars keeping in position, applied aspect (Sharing - General Surgery)	**AN47.5 Describe Extrahepatic Billiary apparatous under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) AN47.7 Mention the clinical importance of Calot's triangle** Extrahepatic Billiary apparatous, Gall bladder,Triangle of Calot`s (Sharing - General Surgery)	**AN47.5 Describe Kideny under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) AN47.6 Explain Radiating pain of kidney to groin & Lymphatic spread in carcinoma stomach** Kidney -I, location, external features, covering, realations, Blood Supply, Lymphatic drainage (Sharing - General Surgery)	**AN47.5 Describe Kidney under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)** Kidney-II, applied functions, Suprarenal gland, Abdominal part of Ureter (Sharing - General Surgery)

11 - 01pm	**AN47.5 Demonstrate Pancreas under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)** Dissection of pancreas (Batch A&B)	**AN47.5 Demonstrate Liver under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)** Dissection of Liver (Batch A&B)	**AN47.5 Demonstrate Liver under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) AN47.6 Explain 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 Liver-II- Relations with other organs, blood supply, Factars keeping in position, applied aspect** Dissection of Liver (Batch A&B)	**AN47.5 Demonstrate Extrahepatic Billiary apparatous under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)** Dissection of Extrahepatic Billiary apparatous (Batch A&B)	**AN47.5 Demonstrate Kideny under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) AN47.6 Explain Radiating pain of kidney to groin & Lymphatic spread in carcinoma stomach** Dissection of Kideny (Batch A&B)	**AN47.5 Demonstrate Kideny under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)** Dissection of Kideny (Batch A&B)
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
02 - 03pm				**ECE** Hypertension (P)	**Practical/Demonstraion** Cardiac murmur **(P)**	**SGD/Tutorial** Venous circulation (P)

03 - 04pm	**(PY-3.18)** Frog's heart beat & effect of temperature - P **(PY-2.12)** Packed cell volume & ESR - P **BI11.4 Perform urine analysis to estimate and determine normal and abnormal** Analysis of abnormal consituents of urine (B)	**(PY-3.18)** Effect of Stannius ligatures - P **(PY-2.11)** Blood indices & related calculations - P **BI11.20 Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states.** Urine report (B)	**(PY-3.18)** Effect of Stannius ligatures - P **(PY-2.11)** Blood indices & related calculations - P **BI11.20 Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states.** Urine report (B)	**SGD** protien classification (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** DNA isolation from blood (B)	**Community Practical/Visit/AETCOM Antenatal clinic**
04 - 05pm	**CM3.5 Describe the standards of housing and the effect of housing on health** Housing and health	**SDL/ Lecture** Assignment discussion (B)	**SDL** Properties of cardiac muscle	**ECE** Disorders associated to Lipoprotein metabolism (General Medicine)	**SDL - Inguinal Hernia (Anatomy)**	

Day	*Monday*	*Tuesday*	*Wednesday*		*Friday*	*Saturday*
Date/Time	*13.01.2020*	*14.01.2020*	*15.01.2020*	*16.01.2020*	*17.01.2020*	*18.01.2020*
09-10am	**PY6.4 Describe and discuss the physiology of high altitude and deep sea Diving** Physiology of high altitude	**PY5.9 Describe the factors affecting heart rate, regulation of cardiac output & blood pressure** Cardiac output	**PY6.4 Describe and discuss the physiology of high altitude and deep sea Diving** Physiology of deep sea Diving	**PY5.9 Describe the factors affecting heart rate, regulation of cardiac output & blood pressure** Blood Pressure	Metabolism of aliphatic amino acid I (B)	Metabolism of aliphatic amino acid II (B)
10 - 11am	**AN47.13Describe the attachments, openings, nerve supply & action of the thoracoabdominal diaphragm AN47.14 Describe the abnormal openings of thoracoabdominal diaphragm and diaphragmatic hernia** Thoracoabdominal Diaphragm (Sharing - General Surgery)	**AN47.9 Describe the origin, course, important relations and branches of Abdominal aorta, Coeliac trunk, Superior mesenteric, Inferior mesenteric & Common iliac artery** Abdominal aorta, Inferior Venecava	**AN45.3 Mention the major subgroups of back muscles, nerve supply and action AN45.1 Describe Thoracolumbar fascia AN45.2 Describe Lumbar plexus for its root value, formation & branches** Posterior abdominal wall, Muscles, Fascia, Lymph node, Subcostal nerves, Lumbar plexus, Azygos & hemi Azygos Vein	**AN47.12 Describe important nerve plexuses of posterior abdominal wall AN47.6 Explain the Accessory spleens, Kehr's sign, Different types of vagotomy,** Abdominal part of autonomic nervous system, Lumbar sympathetic chain, Hypogastric Plexus (Sharing - General Surgery)	**AN55.1 Demonstrate the surface marking of; Regions & planes of abdomen, Superficial inguinal ring, Deep inguinal ring , McBurney's point, Renal Angle & Murphy's point AN55.2 Demonstrate the surface projections of: Stomach, Liver, Fundus of gall bladder, Spleen, Duodenum, Pancreas, Ileocaecal junction, Kidneys & Root of mesentery** Surface Marking - i.Regions and Planes of Abdomen ii. Super facial Inguinal ligament, deep Ligament iii. McBarnegs Point iv. Renal angle v. Murpugs point vi. Stomach liver vii. Fundus of gall bladder viii. Speen ix. Duodenum x. Pancreas xi. Ileocaecal junction xii. Kidneys xiii. Root of mesentery	**AN54.1 Describe 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) AN54.3 Describe role of ERCP, CT abdomen, MRI, Arteriography in radiodiagnosis of abdomen** Radiology of Abdomen - Plan X- ray, CT- scan, MRI, ERCP

11 - 01pm	**AN47.13Demonstrate the attachments, openings, nerve supply & action of the thoracoabdominal diaphragm** Dissection of Thoracoabdominal Diaphragm (Batch A&B)	**AN47.8 identify the formation, course relations and tributaries of Portal vein, Inferior vena cava & Renal vein AN47.9 Demonstrate origin, course, important relations and branches of Abdominal aorta, Coeliac trunk, Superior mesenteric, Inferior mesenteric & Common iliac artery** Dissection of Abdominal aorta, Inferior venecava (Batch A&B)	**AN45.2 Demonstrate the Lumbar plexus for its root value, formation & branches** Demonstration of Bony Pelvis -I- Division- True & False pelvis, Sacro-iliac joint, Sacrococcygeal joint, boundries of True pelvis, pelvic inlet, pelvic outlet and Cavity, Pelvic inclination, diameters & Planes (Batch A&B)	**AN47.6 Explain the Accessory spleens, Kehr's sign, Different types of vagotomy,** Demonstration of Bony Pelvis -II-Types of Female pelvis, diffrence between male & female pelvis, Clinical corelations (Batch A&B)	**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 AN55.2 Demonstrate the surface projections of: Stomach, Liver, Fundus of gall bladder, Spleen, Duodenum, Pancreas, Ileocaecal junction, Kidneys & Root of mesentery** Surface Marking - i.Regions and Planes of Abdomen ii. Super facial Inguinal ligament, deep Ligament iii. McBarnegs Point iv. Renal angle v. Murpugs point vi. Stomach liver vii. Fundus of gall bladder viii. Speen ix. Duodenum x. Pancreas xi. Ileocaecal junction xii. Kidneys xiii. Root of mesentery (Batch A & B)	**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 AN55.2 Demonstrate the surface projections of: Stomach, Liver, Fundus of gall bladder, Spleen, Duodenum, Pancreas, Ileocaecal junction, Kidneys & Root of mesentery** Sectonal Anatomy- Stucture at the level of, T-08, T-10, T-12, Transpyloric Plane Demonstrate the surface projections of: Stomach, Liver, Fundus of gall bladder, Spleen, Duodenum, Pancreas, Ileocaecal junction, Kidneys & Root of mesentery (Batch A&B)
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
02 - 03pm				**ECE** Restrictive lung diseases (P)	**Practical/Demonstraion** Artificial respiration (P)	**SGD/Tutorial** Hypoxia (P)

03 - 04pm	**(PY-3.18)** Effect of Stannius ligatures calculations - P **(PY-2.11)** Blood indices & related calculations - P **BI11.20 Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states.** Urine report (B)	Properties of cardiac muscle - P Bleeding time & clotting time - P Chemistry & analysis of egg white (B)	Properties of cardiac muscle - P Bleeding time & clotting time - P Chemistry & analysis of egg white (B)	**SGD/Tutorial** Urea Cycle & disorders (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** ABG analyzer (B)	**Community Practical/SGD/AETCOM Well baby clinic**
04 - 05pm	**CM3.6** **Describe the role of vectors in the causation of diseases. Also discuss National Vector Borne disease Control Program** Vector borne diseases	**SDL** Transammination & Dammination (B)	**SDL** Transport of respiratory gases (P)	**ECE** Interprete the laboratory results of Urea metabolism (VI-Pathology)	**SDL - Liver - Relation (Anatomy)**	
Day	***Monday***	***Tuesday***	***Wednesday***	***Thursday***	***Friday***	***Saturday***

Date/Time	*20.01.2020*	*21.01.2020*	*22.01.2020*	*23.01.2020*	*24.01.2020*	*25.01.2020*
09-10am	**PY6.5** **Describe and discuss the principles of artificial respiration, oxygen therapy, acclimatization and decompression sickness.** Artificial respiration	**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)	**PY4.1** **Describe the structure and functions of digestive system** Introduction of digestive system (HI-Human Anatomy)	Metabolism of acidic amino acid (B)	Metabolism of Aromatic amino acid (B)

10 - 11am	**AN49.3 Describe Perineal membrane in male & female AN49.1 Describe the superficial & deep perineal pouch (boundaries and contents) AN49.5 Explain the anatomical basis of Perineal tear, Episiotomy, Perianal abscess and Anal fissure** Perineum -I - Boundries, Divisions, Cutaneous, innervation, Pouches , Perinal membraine, perineal body, superfecial perineal pouches, (Sharing- Obstetrics & Gynaecology)	**AN49.1 Describe the superficial & deep perineal pouch (boundaries and contents) AN49.4 Describe boundaries, content & applied anatomy of Ischiorectal fossa** Perineum-II, Urogenital diaphragm, Boundaries & Contents of Deep perineal pouches, Anal Triangle, Ischiorectal Fossa (Sharing- Obstetrics & Gynaecology and General Surgery)	**AN25.1 Explain, draw and label a slide of trachea and lung Histology of Respiratory system, - Micropscopic structure of lung, Trachea, Larynx, Epiglottis, Intra pulmonary bronchus**	**AN48.2 Describe the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) important male & female pelvic viscera** Gross Anatomy of Urinary Bladder, Urethra,- Location, external features, Internal features, support of Bladder, Blood Supply, Nerve supply & Lymphatic drainage, Micturation & applied aspect	**AN43.2 describe and draw the microanatomy of GIT- I, Tongue, oesophagus, Stomach - cardiac & fundic part, Pyloric part,. Cardio - Oesophagus -junction, Salivary glands AN52.3 Describe the microanatomical features of Cardiooesophageal junction AN52.1 Describe the microanatomical features of Gastro-intestinal system: Oesophagus, Fundus of stomach, Histology of GIT- I,Tongue, oesophagus, Stomach - cardiac & fundic part, Pyloric part,. CO-junction, Salivary glands**	**AN48.2Describe the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) important male & female pelvic viscera AN48.5 Explain the anatomical basis of suprapubic cystostomy, Urinary obstruction in benign prostatic hypertrophy** Male Assessory Reproductive organs- Gross anatomy of Prostrate, Seminal Vesicles, Bulbourethral glands, Ejaculatory duct, Vasa deferentia (Sharing- General Surgery

11 - 01pm	**AN49.3 demonstrate Perineal membrane in male & female AN49.2 identify Perineal body AN49.1 demonstrate the superficial & deep perineal pouch (boundaries and contents)** Dissection of Perineum (Batch A&B)	**AN49.1 Demonstrate the superficial & deep perineal pouch (boundaries and contents) AN49.4 Demonstrate boundaries, content & applied anatomy of Ischiorectal fossa AN49.5 Explain the anatomical basis of Perineal tear, Episiotomy, Perianal abscess and Anal fissure** Dissection of Perineum (Batch A&B)	**AN25.1 Identify, draw and label a slide of trachea and lung** **A batch**- Histology of Respiratory system, - Micropscopic structure of lung, Trachia, Larynx, Epiglottis, Intra pulmonary bronchus **B batch -** Dissection of Perineum	**AN48.2 demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) important male & female pelvic viscera A batch -** Dissection of Perineum **B batch-** Histology of Respiratory system, - Micropscopic structure of lung, Trachia, Larynx, Epiglottis, Intra pulmonary bronchus	**AN43.2 Identify the slides of microanatomy of GIT- I,Tounge, oesophagus, Stomach -cardiac & fundic part, Pyloric part,. CO-junction, Salivary glands AN52.3 Identify the slides the microanatomical features of Cardiooesophageal junction AN52.1 identify the microanatomical features of Gastro-intestinal system: Oesophagus, Fundus of stomach, A batch-** Histology of GIT- I,Tounge, oesophagus, Stomach -cardiac & fundic part, Pyloric part,. CO-junction, Salivary glands **B batch-** Dissection of Urinary bladder & Urethra	**AN48.2 demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) important male & female pelvic viscera AN48.5 Explain the anatomical basis of suprapubic cystostomy, Urinary obstruction in benign prostatic hypertrophy A batch-** Dissection of Urinary bladder & Urethra **B batch-** Histology of GIT- I,Tounge, oesophagus, Stomach -cardiac & fundic part, Pyloric part,. CO-junction, Salivary glands
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
02 - 03pm				**ECE** Spirometry (P)	**Practical/Demonstraion** Gastro-esophageal reflux (P)	**SGD/Tutorial** Regulation of BP (P)

03 - 04pm	Properties of cardiac muscle - P Bleeding time & clotting time - P Chemistry & analysis of egg white (B)	**(PY-5.12) (PY-5.16)** Examination of pulse & finger plethysmography - P **(PY-2.11)** Blood grouping - P Chemistry & analysis Casein (B)	**(PY-5.12) (PY-5.16)** Examination of pulse & finger plethysmography - P **(PY-2.11)** Blood grouping - P Chemistry & analysis Casein (B)	**SGD/Tutorial** Aliphatic amino acid (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** Autoanalyser (B)	**Community Practical/visit/AETCOM Well baby clinic**
04 - 05pm	**CM3.7** **Identify and describe the identifying features and life cycles of vectors of Public Health importance and their control measures** Vectors of Public Health importance (CM)	**SDL** Glycine & Serine metabolism (B)	**SDL** Coronary circulation (P)	**ECE** Inborn Error of Acidic & Arometic amino acid Metabolism (VI- peadiatric) (B)	**SDL - Kidney - Gross Feature (Anatomy)**	

Day	*Monday*	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Saturday*
Date/Time	*27.01.2020*	*28.01.2020*	*29.01.2020*	*30.01.2020*	*31.01.2020*	*01.02.2020*
09-10am	**PY5.10 Describe & discuss regional circulation including microcirculation, lymphatic circulation, coronary, cerebral, capillary, skin, foetal, pulmonary and splanchnic circulation** Pulmonary circulation (VI- General Medicine)	**PY5.10 Describe & discuss regional circulation including microcirculation, lymphatic circulation, coronary, cerebral, capillary, skin, foetal, pulmonary and splanchnic circulation** Cerebral & capillary circulation (VI- General Medicine)	**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)	**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)	Metabolism of Branch Chain Amino Acid (B)	**BI6.9 A Describe the functions of various minerals in the body, their metabolism and homeostasis.** Mineral Metabolism I (VI- Physiology) (B)
10 - 11am	**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** Histology of GIT-II-, Small intestine, Jejunum, Ileum, Duodenum	**AN48.2Describe the position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of Ovary** Ovary- Location, relations, external features,. Blood supply ,Nerve supply, Lymphatic drainage, functions.	**AN52.1 Describe 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** Histology-III;- Large intestine, Appendix, rectum, anal canal	**AN48.2Describe the position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of Uterine Tube** Uterine tube, external features, parts,Blood supply, Lymphatic drainage & applied Aspect.	**AN52.1 Describe the microanatomical features of Liver, Gb, Pancreas & Salivary glands.** Histology of GIT-IV;- Salivary gland, Liver, Pancreas & Gall bladder	**AN48.5 Explain the Retroverted uterus, Prolapse of uterus** Uterus- Location, Sub-division, parts,normal position, Axes, relation, cavity, Ligaments, BS & Lymphatic drainge (Sharing -General Surgery)

11 - 01pm	**AN52.1 Identify the Slides of Small intestine,l Jejunum, Doudenum, & Ileum. A batch -** Histology of GIT-II-, Small intestine, Jejunum, Ileum, Duodenum **B batch-** Dissection of Male Assessory Reproductive organs- Gross anatomy of Prostrate, Seminal Vesicles, Bulbourethral glands, Ejaculatory duct, Vasa deferentia	**AN48.2 Demonstrate the position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of Ovary A batch-** Dissection of Male Assessory Reproductive organs- Gross anatomy of Prostrate, Seminal Vesicles, Bulbourethral glands, Ejaculatory duct, Vasa deferentia **B batch -** Histology of GIT-II-, Small intestine, Jejunum, Ileum, Duodenum	**AN52.1 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 A batch-** Histology GIT-III-of Large Intestine, Appendix, rectum & anal canal **B batch-** Dissection of Male Assessory Reproductive organs- Gross anatomy of Prostrate, Seminal Vesicles, Bulbourethral glands, Ejaculatory duct, Vasa deferentia	**AN48.2Demonstrate the position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of Uterine Tube A batch-** Dissection of Ovary **B batch -** Histology GIT-III-of Large Intestine, Appendix, rectum & anal canal	**AN52.1 Identify slide of Liver, Gb, Pancreas & Salivary glands. A batch -** Histology of GIT-IV;- Salivary gland, Liver, Pancreas & Gall bladder **B batch -** Dissection of Ovary	**AN48.5 Explain the Anteverted, Retroverted uterus, Prolapse of uterus A batch-** Dissection of Uterus, & its Ligaments. **B batch-** Histology of GIT-IV;- Salivary gland, Liver, Pancreas & Gall bladder
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
02 - 03pm				**ECE** Congenital heart disease (P)	**Practical/Demonstraion** Cirrhosis of liver **(P)**	**SGD/Tutorial** Function of liver (P)

03 - 04pm	**(PY-5.12) (PY-5.16)** Examination of pulse & finger plethysmography - P **(PY-2.11)** Blood grouping - P Chemistry & analysis Casein (B)	**(PY-5.12)** Arterial blood pressure - P Revision of Haematology practical - P Chemistry & analysis Geletine (B)	**(PY-5.12)** Arterial blood pressure - P Revision of Haematology practical - P Chemistry & analysis Geletine (B)	**SGD/Tutorial** Arometic amino acid (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** ELISA(B)	**Community Practical/SGD/AETCOM ICDS**
04 - 05pm	**CM3.8** **Describe the mode of action, application cycle of commonly used insecticides and rodenticides** insecticides and rodenticides	**SDL** Journal Complition (B)	**SDL** Regulation of respiration (P)	**Demonstraion -** DNA isolation from tissue (B)	**SDL - Types of Bony Pelvis (Anatomy)**	
Day	***Monday***	***Tuesday***	***Wednesday***	***Thursday***	***Friday***	***Saturday***

Date/Time	*03.02.2020*	*04.02.2020*	*05.02.2020*	*06.02.2020*	*07.02.2020*	*08.02.2020*
09-10am	**PY5.10 Describe & discuss regional circulation including microcirculation, lymphatic circulation, coronary, cerebral, capillary, skin, foetal, pulmonary and splanchnic circulation** Foetal circulation (VI- General Medicine)	**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)	**PY5.11 Describe the patho-physiology of shock, syncope and heart failure** Shock	**PY4.2 Describe the composition, mechanism of secretion, functions, and regulation of saliva, gastric, pancreatic, intestinal juices and bile secretion** Bile secretion (HI- Biochemistry)	**BI6.9 A Describe the functions of various minerals in the body, their metabolism and homeostasis.BI6.10 A Enumerate and describe the disorders associated with mineral metabolism.** Mineral Metabolism I macromolecules (HI-Physiology) (B)	**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)
10 - 11am	**AN52.2 Describe microanatomical features of: Urinary system: Kidney, Ureter & Urinary bladder** Histology of Urinary system-Kidney, Urinary Bladder,Ureter, Urethra	**AN48.8Mention the structures palpable during vaginal & rectal examination** Support of Uterus, Cervix & Vagina (Sharing - Obstetrics & Gynaecology General Surgery)	**AN52.2 Describe microanatomical features of: Male Reproductive organs-- Prostale, Seminal vesicle,Penis** Histology of Male Reproductive organs-- Prostale, Epididymus, Seminal vesicle,Penis	**AN48.7 Mention the lobes involved in benign prostatic hypertrophy & prostatic cancer AN48.8 Mention the structures palpable during vaginal & rectal examination** Rectum, - location, external features, Course, Curvatures, Peritoneal relations, Interior features, Blood supply, Lymphatic drainageSupport & applied anatomy (Sharing -Obstetrics & Gynaecology General Surgery)	**AN52.2 Describe microanatomical features of: Testis, epididymus, Vasa deferntia, Penis. Rectum, - location, external features, Course, Curvatures, Peritoneal relations, Interior features, Blood supply, Lymphatic drainageSupport & applied anatomy (Sharing -Obstetrics & Gynaecology General Surgery)**	**AN48.2 Describe the position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of anal canal** Anal canal- location, external features, Course, Curvatures, Peritoneal relations, Interior features, Blood supply, Lymphatic drainageSupport & applied anatomy (Sharing General Surgery)

11 - 01pm	**AN52.2 identify slide of microanatomical features of:** **Urinary system: Kidney, Ureter & Urinary bladder** **A batch-** Histology of Urinary system- Kidney, Urinary Bladder,Ureter, Urethra . **B batch-** Dissection of Uterus, & its Ligaments.	**AN48.8Mention the structures palpable during vaginal & rectal examination** **Support of Uterus, Cervix & Vagina A batch-** Dissection of Cervix & Vagina **B batch-** Histology of Urinary system- Kidney, Urinary Bladder,Ureter, Urethra	**AN52.2 Identify slide of microanatomical features of: Male Reproductive organs-- Prostale, Epididymus,Seminal vesicle,Penis A batch-** Histology of Male Reproductive organs-- Prostale, Epididymus,Seminal vesicle,Penis **B batch-** Dissection of Cervix & Vagina	**AN48.7 Mention the lobes involved in benign prostatic hypertrophy & prostatic cancer A batch-** Dissection of Rectum, **B batch-** Histology of Male Reproductive organs-- Prostale, Epididymus,Seminal vesicle,Penis	**AN48.7 Mention the lobes involved in benign prostatic hypertrophy & prostatic cancer A batch-** Histology of Male Reproductive organs-- Prostale, Epididymus,Seminal vesicle,Penis **B batch-** Dissection of Rectum,	**AN48.2 Demonstrate the position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of anal canal** **A batch-** Dissection of Anal Canal . **B batch-** Histology of - Testis, epididymus, Vas Diffenrance, Penis.
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
02 - 03pm	**(PY-5.12)** Arterial blood pressure - P Revision of Haematology practical - P Chemistry & analysis Geletine (B)	**(PY-11.13)** Clinical Examination in general - P **(PY- 6.8)(PY-6.10)** Spirometry - P Chemistry & analysis Peptone (B)	**(PY-11.13)** Clinical Examination in general - P **(PY- 6.8)(PY-6.10)** Spirometry - P Chemistry & analysis Peptone (B)	**ECE** Peptic ulcer (P)	**Practical/Demonstraion** Pancreatitis (P)	**SGD/Tutorial** Ischaemic heart disease (P)
03 - 04pm				SGD/Tutorial FA-Amino Acid Metabolism (B)	**Practical/Demonstraion** study of Unknown Protein (B)	**Community Practical/visit/AETCOM Anganwadi**
04 - 05pm	**CM4.1** **Describe various methods of health education with their advantages and limitations** I E C	**SDL** Branched Chain Amino Acid (B)	**SDL** Heart rate (P)	**Community SDL** **Sociological aspect of Solid waste Disposal**	**SDL - Uterus - Gross Feature (Anatomy)**	

Day	*Monday*	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Saturday*
Date/Time	*10.02.2020*	*11.02.2020*	*12.02.2020*	*13.02.2020*	*14.02.2020*	*15.02.2020*
09-10am	**PY5.11 Describe the patho-physiology of shock, syncope and heart failure** Heart failure	**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	**PY4.4 Describe the physiology of digestion and absorption of nutrients** Digestion and absorption of nutrients (HI- Biochemistry)	**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)	**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 IV micromolecules (VI-General Medicine) (HI-Physiology) (B)
10 - 11am	**AN52.2 Describe microanatomical features of: Female Reproductive organs- Ovary, Fallofian tube, Uterus, cervix,** Histology of Female Reproductive organs- Ovary, Fallopian tube, Uterus, cervix,	**AN48.2 Describe the pelvic wall fascia** Pelvic wall, muscles, pelvic diaphragm, pelvic fascia & pelvic peritoneum (Sharing General Surgery)	**AN64.1 Describe the microanatomical features of Spinal cord, Cerebellum & Cerebrum** Histology of CNS- Spinal cord, cerebrum, cerebellum, Dorsal Nerve Root Ganglion & Autonomic ganglion	**AN48.4 Describe the branches of sacral plexus AN48.3Describe the origin, course, important relations and branches of internal iliac artery** Somatic nerves of pelvis, Lumbo-sacral trunk, Sacral plexus, coccygeal plexus, Autonomic Plexus, superior & Inferior rectal arteries.	**AN43.3 Identify, describe and draw microanatomy of Hypophysis cerebrai, thyroid, & adrenal gland** Histology of Endocrine system-Pituitary , Thyroid, Parathyroid & Supra-renal gland	**AN48.4 Describe the branches of sacral plexus AN48.3Describe the origin, course, important relations and branches of internal iliac artery** Joints of Pelvis-Sacro-Iliac, Sacro-coccygeal & symphysis

11 - 01pm	**AN52.2 Identify slide of microanatomical features of: Female Reproductive organs- Ovary, Fallofian tube, Uterus, cervix,** **A batch -** Histology of Female Reproductive organs- Ovary, Fallofian tube, Uterus, cervix, **B batch** - Dissection of Anal Canal .	**AN48.2 Describe the pelvic wall fascia A batch-** Dissection of Pelvic wall fascia **B batch-** Histology of Female Reproductive organs- Ovary, Fallofian tube, Uterus, cervix,	**AN64.1 Identify the microanatomical features of Spinal cord, Cerebellum & Cerebrum** **A batch-** Histology of CNS- Spinal cord, cerebrum, cerebellum, DNRG & autonomic ganglion **B batch-** Dissection of Pelvic wall fascia	**AN48.3Demonstrate the origin, course, important relations and branches of internal iliac artery A batch-** Dissection of Lumbo-sacral trunk **B batch-** Histology of CNS- Spinal cord, cerebrum, cerebellum, DNRG & autonomic ganglion	**AN43.3 Identify, describe and draw microanatomy of Hypophysis cerebrai, thyroid, & adrenal gland** **A batch -** Histology of pituitary , thyroid, parathyroid gland **B batch-** Dissection of Lumbo-sacral trunk	**AN48.4 Describe the branches of sacral plexus** **AN48.3Describe the origin, course, important relations and branches of internal iliac artery A batch-** Dissection of pelvic joints. **B batch-**Histology of pituitary , thyroid, parathyroid gland
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
02 - 03pm				**ECE** Dwarfism (P)	**Practical/Demonstraion** PEFR (P)	**SGD/Tutorial** Regulation of thyroid hormones (P)

03 - 04pm	**(PY-11.13)** Clinical Examination in general - P **(PY- 6.8)(PY-6.10)** Spirometry - P Chemistry & analysis Peptone (B)	**(PY- 3.18)** Effect of vagus/crescent stimulation on frog's heart-P **(PY-3.15)(PY-3.16)** Cardiac efficiency tests - P Analysis of unknown protein (B)	**(PY- 3.18)** Effect of vagus/crescent stimulation on frog's heart-P **(PY-3.15)(PY-3.16)** Cardiac efficiency tests - P Analysis of unknown protein (B)	**SGD/Tutorial** Calcium & Phosphorus (VI- General Medicine) (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** Paper chromatography of amino acid Paper chromatography of amino acid(B)	**Community Practical/SGD/AETCOM Primary Health Care**
04 - 05pm	**CM4.2** **Describe the methods of organizing health promotion and education and counseling activities at individual family and community settings** Counseling in Public health	**SDL** Iron Metabolism (B)	**SDL** Function of Digestive system (P)	**ECE** Interprete the laboratory results of minerals (VI- Pathology) (B)	**SDL - Urinary Bladder- its support (Anatomy)**	

Day	*Monday*	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Saturday*
Date/Time	*17.02.2020*	*18.02.2020*	*19.02.2020*	*20.02.2020*	*21.02.2020*	*22.02.2020*
09-10am	**PY4.5 Describe the source of GIT hormones, their regulation and functions** GIT hormones	**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** Hypothalamus	**PY4.6 Describe the Gut-Brain Axis** Gut-Brain Axis	**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		**BI6.5 A Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency** Fat soluable vitamin I vit. A & D (VI- General Medicine) (B)
10 - 11am	**AN. 43.3. Histology Special senses- Cornea, Retina, Corneo-scleral junction** Histology Special senses- Cornea, Retina, Corneo-scleral junction	**Pelvis**	**AN76.1 Describe the stages of human life AN76.2 Explain the terms- phylogeny, ontogeny, trimester, viability** Introduction of Embryology- Phyllogeny, Ontogeny, Trimesters, Viability, Stage of Life (Sharing - Obstetrics & Gynaecology)	**AN77.3Describe spermatogenesis and oogenesis along with diagrams** Gametogenesis- Oogenesis & Spermatogenesis, Corpous luetium (Sharing - Obstetrics & Gynaecology)		**AN77.4 Describe the stages and consequences of fertilisation AN78.1 Describe cleavage and formation of blastocyst Fertilization,** consequenses of fertilization, Clevage, Blastocyst formation**. (Sharing - Obstetrics & Gynaecology)**

11 - 01pm	**AN. 43.3. Histology Special senses- Cornea, Retina, Corneo-scleral junction** **A batch-** Histology of Retina, cornea & Sclero-corneal junction. **B batch-** Dissection of pelvic joints.	**FA of Abdomen & I**	**AN77.1 Explain the uterine changes occurring during the menstrual cycle AN77.2 Explain the synchrony between the ovarian and menstrual cycles** **A batch-** Demonstration of Femur -I **B btach** - SGD- uterine changes during menstrual cycles. Ovarian Cycle	**AN77.5Enumerate and describe the anatomical principles underlying contraception** **A btach** - SGD- uterine changes during menstrual cycles. Ovarian Cycle **B batch-** Demonstration of Femur -I	**Holiday**	**AN78.4 Describe the formation of extra-embryonic mesoderm and coelom, bilaminar disc and prochordal plate** Gastrulation - the formation of extra-embryonic mesoderm and Extraembryonic coelom, bilaminar disc and prochordal plate, Connetive stalk, Formation of Amnion, Chorion & Prochordal plate. (Sharing - Obstetrics & Gynaecology)
01 - 02pm	Lunch	Lunch	Lunch	Lunch		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 Analysis of unknown protein (B)	Effect of drugs on frog's heart - P Revision of Clinical practicals - P Analysis of Milk (B)	Effect of drugs on frog's heart - P Revision of Clinical practicals - P Analysis of Milk (B)	**ECE** Diarrhoea (P)		**SGD/Tutorial** Function of bile (P)
03 - 04pm				**SGD/Tutorial** Mineral Metabolism (VI-General Medicine) (B)		

04 - 05pm	**CM5.1** **Describe the common sources of various nutrients and special nutritional requirements according to age, sex, activity, physiological conditions** Nutrition and Health	**SDL** ELISA (B)	**SDL** Shock (P)	**ECE** Disorders related to menirals metabolism (VI-General Metabolism) (B)		**Community Practical/SGD/AETCOM PHC**
Day	***Monday***	***Tuesday***	***Wednesday***	***Thursday***	***Friday***	***Saturday***
Date/Time	***24.02.2020***	***25.02.2020***	***26.02.2020***	***27.02.2020***	***28.02.2020***	***29.02.2020***
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	**PY4.7** **Describe & discuss the structure and functions of liver and gall Bladder** Liver and gall bladder (HI- Biochemistry)	**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** Thyroid gland-1	**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** Thyroid gland-2	**BI6.5 B** **Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency** Fat soluable vitamin II vit. E & K (VI- General Medicine) (B)	**BI6.5 C** **Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency** Water SoluableVitamin I vit.C & hematopoetic (VI- General Medicine) (B)

10 - 11am	**AN79.1 Describe the formation & fate of the primitive streak** **AN79.2 Describe formation & fate of notochord** **AN79.3 Describe the process of neurulation** **AN79.5 Explain embryological basis of congenital malformations, nucleus pulposus, sacrococcygeal teratomas, neural tube defects** Formation and function of Primitive streak, formation & Function of Notochord, Formation of Intramembryonic Mesoderm Neurilation (Sharing - Obstetrics & Gynaecology)	**AN80.1 Describe formation, functions & fate of-chorion: amnion; yolk sac; allantois & decidua** Formation of trilaminar germ disc, Derivatives of Germ layer	**AN15.1 Describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh** **AN16.4 Describe the hamstrings group of muscles with their attachment, nerve supply and actions AN20.3 Describe Fascia lata, Venous drainage, Lymphatic drainage, Retinacula & Dermatomes of lower limb** **AN20.4 Explain anatomical basis of enlarged inguinal lymph nodes** Front of Thigh superfacial fascia, Saphenous opening , inguinal lymph nodes, lymphatic drainage, cut nerve vessels, saphenous vein	**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** Fascia lata, Ilotibial tract, Femoral sheath, Femoral Traingle, & Femoral hernia	**AN15.2 Describe major muscles with their attachment, nerve supply and actions** **AN15.5 Describe adductor canal with its content** Aductor canal, bounbdries, contents, Sartorius, & Quadriceps Femoris	**AN79.2 Describe formation & fate of notochord AN79.4 Describe the development of somites and intra-embryonic coelom** **AN80.1 Describe formation, functions & fate of-chorion: amnion; yolk sac; allantois & decidua** Subdivision of intra embryonic mesoder, Fate of para-axial mesoderm, developmental Strucure & Fate of Somite

11 - 01pm	**AN79.1 Describe the formation & fate of the primitive streak AN79.2 Describe formation & fate of notochord AN79.3 Describe the process of neurulation AN79.5 Explain embryological basis of congenital malformations, nucleus pulposus, sacrococcygeal teratomas, neural tube defects A batch-** Demonstration of Tibia **B batch-** SGD- Teratogenic influence on fertilizartion, sterility, Sarrogate Motherhood social significance of "sex-ratio".,	**AN80.1 Demontrate the formation, functions & fate of-chorion: amnion; yolk sac; allantois & decidua A batch-** SGD- Teratogenic influence on fertilizartion, sterility, Sarrogate Motherhood social significance of "sex-ratio". **B btach-** Demonstration of Tibia	**AN15.1 Demonstration origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh AN16.4 Demonstration the hamstrings group of muscles with their attachment, nerve supply and actions AN20.3 Demonstration Fascia lata, Venous drainage, Lymphatic drainage, Retinacula & Dermatomes of lower limb AN20.4 Explain anatomical basis of enlarged inguinal lymph nodes A batch-** Demonstration of Fibula **B batch-** Dissection of Front of Thigh	**AN15.2 Demonstrate boundaries, floor, roof and contents of femoral triangle** Dissection of Femoral Triangle (Batch A&B)	**AN15.2 Demonstrate major muscles with their attachment, nerve supply and actions AN15.5 Demonstrate adductor canal with its content** Dissection of Aductor Canal (Batch A&B)	**AN53.1 Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups A batch-** demonstration of Skleton of Foot-I **B Batch-** SGD- Aductor canal
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch

02 - 03pm	Effect of drugs on frog's heart - P Revision of Clinical practicals - P Analysis of Milk (B)	**(PY-3.18)** Perfusion of amphibian heart - P **(PY-5.13)** Electrocardiography- Record & Analysis - P Gastric juice analysis by titration (B)	**(PY-3.18)** Perfusion of amphibian heart - P **(PY-5.13)** Electrocardiography- Record & Analysis - P Gastric juice analysis by titration (B)	**ECE** Hyperthyroidism (P)	**Practical/Demonstraion** deep sea diving (P)	**SGD/Tutorial** Obesity (P)
03 - 04pm				**SGD/Tutorial** Fat soluable vitamins (B)	**Practical / Demonstraion** **BI11.6 Describe the principles of colorimetry** Describe the colorimetery	**Community Practical/Visit/AETCOM PHC**
04 - 05pm	**CM5.3** **Define and describe common nutrition related health disorders (including macro-PEM, Micro-iron, Zn, iodine, Vit. A), their control and management** Nutrition related Health disorders	**SDL** Vitamin A & D Metabolism (B)	**SDL** Vomiting (P)	**ECE** Fats soluable Vitamin related disorders (VI- General Medicine) (B)	**SDL - Bengin Hypotrophy of frostat (BPH) (Anatomy)**	

Day	*Monday*	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Saturday*
Date/Time	*02.03.2020*	*03.03.2020*	*04.03.2020*	*05.03.2020*	*06.03.2020*	*07.03.2020*
09-10am	**PY4.8** **Describe & discuss gastric function tests, pancreatic exocrine function tests & liver function tests** Gastric function tests, pancreatic exocrine function tests (HI- Biochemistry)	**PY4.8** **Describe & discuss gastric function tests, pancreatic exocrine function tests & liver function tests** Liver function tests (HI- Biochemistry)	**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** Parathyroid gland	**PY8.1** **Describe the physiology of bone and calcium metabolism** Bone & calcium metabolism	**BI6.5 D** **Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency** Water SoluableVitamin II B- complex vit. (VI- General Medicine) (B)	**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)

10 - 11am	**AN79.2 Describe formation & fate of notochord** Lateral plate mesoderm, formation of intra embryonic coelom, subdivision of Intra embryonic coelom,Folding of embro, Effect of folding	**AN15.2 Describe major muscles with their attachment, nerve supply and actions AN15.1 Describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh** Medial side of Thigh, Adductor group of muscles, obturator nerve, Obturator muscles,& Sciatic Nerve	**AN16.1 Describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of gluteal region AN16.2 Describe anatomical basis of sciatic nerve injury during gluteal intramuscular injections** Gluteal region-I, Cutaneous nerve, Gluteal maximus,Structures deep to Gluteal Maximus (Sharing - General Surgery)	**AN16.3 Explain the anatomical basis of Trendelenburg sign** Gluteal region-II, Gluteal medias, Gluteal minimus, Gluteal Nerve & Vessels.	**AN80.1 Describe formation, functions & fate of-chorion: amnion; yolk sac; allantois & decidua AN81.2 Describe indications, process and disadvantages of amniocentesis** Extra embryonic membrainesAmnion Amniotic cavity,Amnioticfluid, development of Yolk sac, function of yolk sac & allantois	**AN78.3 Describe the process of implantation & common abnormal sites of implantation AN78.2 Describe the development of trophoblast AN81.3 Describe indications, process and disadvantages of chorion villus biopsy AN78.5 Describe in brief abortion; decidual reaction, pregnancy test AN80.3 Describe formation of placenta, its physiological functions, foetomaternal circulation & placental barrier** Formation of chorion, Implantation- Normal sites,Abnormal sites of implantation decidua, formation of Placenta

11 - 01pm	**AN79.2 Demostration of formation & fate of notochord** Embryology Practical (Batch A&B)	**AN15.2 Demonstrate major muscles with their attachment, nerve supply and actions AN15.1 Demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh** Dissection of Medial side of thigh (Batch A&B)	**AN16.1 Demonstrate of origin, course, relations, branches (or tributaries), termination of important nerves and vessels of gluteal region AN16.2 Demonstration of anatomical basis of sciatic nerve injury during gluteal intramuscular injections** Dissection of Gluteal region (Batch A&B)	**AN16.3 Demonstration of the anatomical basis of Trendelenburg sign** Dissection of Gluteal region	**AN80.1 Demonstration formation, functions & fate of-chorion: amnion; yolk sac; allantois & decidua AN81.2 Demonstration indications, process and disadvantages of amniocentesis** Embryology Practical (Batch A&B)	**AN78.3 Demonstration of the process of implantation & common abnormal sites of implantation AN78.2 Demonstration of the development of trophoblast AN81.3 Demonstration of indications, process and disadvantages of chorion villus biopsy AN78.5 Demonstration in brief abortion; decidual reaction, pregnancy test AN80.3 Demonstration formation of placenta, its physiological functions, foetomaternal circulation & placental barrier** Embryology Practical (Batch A&B)
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
02 - 03pm				**ECE** Liver function tests (P)	**Practical/Demonstraion** Tetany (P)	**SGD/Tutorial** Regulation of gastric juice (P)

03 - 04pm	**(PY-3.18)** Perfusion of amphibian heart- P **(PY-5.13)** Electrocardiography- Record & Analysis - P Gastric juice analysis by titration (B)	Revision of Amphibian practicals (P) Cardiac efficiency tests (P) **BI11.21 A Demonstrate the estimation of glucose , creatinine, Urea & total protein in serum** Demonstrate the estimation of glucose (B)	Revision of Amphibian practicals (P) Cardiac efficiency tests(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** **BI11.16 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** pH meter(B)	**Community Practical/SGD/AETCOM CHC**
04 - 05pm	**CM5.5** **Describe the methods of nutritional surveillance, principles of nutritional education and rehabilitation in the context of Sociocultural factors.** Nutritional surveillance, Nutritional education, and Nutritional rehabilitation	**SGD** Assignment Reviewing (B)	**SDL** Thyroid function tests	Community SDL HE V/S Health propaganda	**SDL - Transmission of Body Weight (Anatomy)**	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	09.03.2020	10.03.2020	11.03.2020	12.03.2020	13.03.2020	14.03.2020
09-10am	Holiday of Holi (8th to 13th March)					**BI6.6 A Describe the biochemical processes involved in generation of energy in cells.** Biological Oxidation - Electron transport chain & its complexes (B)
10 - 11am						**AN16.6 Describe the boundaries, roof, floor, contents and relations of popliteal fossa** Popliteal fossa, Boundaries & Contents
11 - 01pm						**AN16.6 Demonstrate the boundaries, roof, floor, contents and relations of popliteal fossa** Dissection of Popliteal Fossa (Batch A&B)
01 - 02pm						Lunch

02 - 03pm						**Tutorial/LEC** **PY4.9** **Discuss the physiology aspects of: peptic ulcer, gastrooesophageal reflux disease, vomiting, diarrhoea, constipation, Adynamic ileus, Hirschsprung's disease** Applied Physiology of GIT (HI – Biochemistry)
03 - 04pm						Community Medicine Practical/visit/AETCOM CHC
04 - 05pm						
Day	***Monday***	***Tuesday***	***Wednesday***	***Thursday***	***Friday***	***Saturday***
Date/Time	***16.03.2020***	***17.03.2020***	***18.03.2020***	***19.03.2020***	***20.03.2020***	***21.03.2020***
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** Adrenal gland-1	**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** Adrenal gland-2	**PY10.1** **Describe and discuss the organization of nervous system** Organization of nervous system (HI- Human Anatomy)	**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	**BI6.6 B** **Describe the biochemical processes involved in generation of energy in cells.** Biological Oxidation - Oxidative phosphorylation & their inhibitors (B)	Nuclotide Chemistry - Types & structures (B)

10 - 11am	**AN16.4 Describe the hamstrings group of muscles with their attachment, nerve supply and actions** Back of Thigh, muscles , blood vessels & Nerves	**AN80.2 Describe formation & structure of umbilical cord** Lobulation of Placenta, Plancetal membrane & circulation	**AN80.4 Describe embryological basis of twinning in monozygotic & dizygotic twins AN80.5Describe role of placental hormones in uterine growth & parturition AN80.7 Describe various types of umbilical cord attachments** Functional anomalies, Umblical cord, Twinning	**AN17.1 Describe the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the hip joint AN17.2 Describe anatomical basis of complications of fracture neck of femur AN17.3 Describe dislocation of hip joint and surgical hip replacement**	**AN18.1 Describe major muscles of anterolateral compartment of leg with their attachment, nerve supply and actions AN18.2 Describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior compartment of leg** Front of leg & Dorsum of Foot-I cutaneous nerve , vessels of front of leg and dorsum of foot, deep facia, muscles of anatomy compartemnt of leg	**AN79.6 Describe the diagnosis of pregnancy in first trimester and role of teratogens, alpha-fetoprotein AN81.1 Describe various methods of prenatal diagnosis** Diagnosis of pragnancy in first trimester and role of teratogens, alpha-fetoprotein, methods of prenatal diagnosis (Sharing - Obstetrics & Gynaecology)

11 - 01pm	**AN16.4 Demonstrate the hamstrings group of muscles with their attachment, nerve supply and actions** Dissection of back of Thigh (Batch A&B)	**AN80.2 Demonstration of formation & structure of umbilical cord** Embryology Practical (Batch A&B)	**AN80.4 Demonstration of embryological basis of twinning in monozygotic & dizygotic twins AN80.5Demonstration of role of placental hormones in uterine growth & parturition AN80.7 Describe various types of umbilical cord attachments** Embryology Practical (Batch A&B)	**AN17.1 Demonstrate of the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the hip joint AN17.2 Demonstrate of anatomical basis of complications of fracture neck of femur AN17.3 Demonstrate of dislocation of hip joint and surgical hip replacement** Dissection of Hip joint (Batch A&B)	**AN18.1 Demonstrate major muscles of anterolateral compartment of leg with their attachment, nerve supply and actions AN18.2 Demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior compartment of leg** Dessection of Front of Leg (Batch A&B)	**AN79.6 Demonstration of the diagnosis of pregnancy in first trimester and role of teratogens, alpha-fetoprotein AN81.1 Demonstration of various methods of prenatal diagnosis** Embryology Practical (Batch A&B)
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch

02 - 03pm	Revision of Amphibian practicals (P) Cardiac efficiency tests(P) **BI11.21 A Demonstrate the estimation of glucose , creatinine, Urea & total protein in serum** Demonstrate the estimation of glucose (B)	**(PY-5.15)** Clinical Examination of cardiovascular system (P) Respiratory efficiency tests (P) **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)	**(PY-5.15**) Clinical Examination of cardiovascular system (P) Respiratory efficiency tests (P) **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)	**ECE** Diabetes mellitus	**Practical/LEC** **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	**Tutotiral/LEC** **PY10.2** **Describe and discuss the functions and properties of synapse, reflex, receptors** Synapse-1 (HI- Human Anatomy)
03 - 04pm				**SGD/Tutorial** **Vitamins B5, B6, B7 & Biotin (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)	**Community Practical/SGD/AETCOM Subcentre**

04 - 05pm	**CM5.6** **Enumerate and discuss the National Nutrition Policy, important national nutritional Programs including the Integrated Child Development Services Scheme (ICDS) etc** National Nutrition Policy, national nutritional Programs	**SGD** Quality Control related to Clinical Biochemistry Laboratory. (B)	**SDL** Regulation of bile secretion	**ECE** Interprete the laboratory results of Water soluable Vitamins (VI- Pathology, General Medicine) (B)	**SDL - Hip Bone (Anatomy)**	
Day	***Monday***	***Tuesday***	***Wednesday***	***Thursday***	***Friday***	***Saturday***
Date/Time	***23.03.2020***	***24.03.2020***	***25.03.2020***	***26.03.2020***	***27.03.2020***	***28.03.2020***
09-10am	**PY10.2** **Describe and discuss the functions and properties of synapse, reflex, receptors** Synapse-2 (HI-Human Anatomy)	**PY8.3** **Describe the physiology of Thymus & Pineal Gland** Thymus & Pineal Gland		**PY10.3** **Describe and discuss somatic sensations & sensory tracts** Somatic sensations-1 (HI- Human Anatomy)	**BI7.1** **Describe the structure and functions of DNA and RNA and outline the cell cycle.** Nucleic Acid- Structurs & types of DNA & RNA (B)	**BI6.2 A** **Describe and discuss the metabolic processes in which nucleotides are involved.** Nuclotide Metabolism - biosynthesis & degradation of purine Nucleotides (B)

10 - 11am	**AN18.2 Describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior compartment of leg** Front of leg -II - Deep Peroneal nerve, Ant. Tibial Artery , Dorsalis pedis, Ant. Ext.retinaculum, Extensor digitorium brevis	**AN18.1 Describe major muscles of anterolateral compartment of leg with their attachment, nerve supply and actions** Lateral side of Leg, Peroneal compartment, peroneal nerve,Superficial & deep muscles of Back of leg.		**AN19.2 Describe the origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of leg AN19.3 Explain the concept of "Peripheral heart" AN19.4 Explain the anatomical basis of rupture of calcaneal tendon AN20.5 Explain anatomical basis of varicose veins and deep vein thrombosis** Muscles of Posteroir compartment of Leg-, Post. Tibial artery , Tibial nerve,venous drainage of Lower limb	**AN19.6 Explain the anatomical basis of Flat foot & Club foot AN19.7 Explain the anatomical basis of Metatarsalgia & Plantar fasciitis** Sole of Foot - Plantar aponeurosis, Layers of Sole	**AN18.4 Describe the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the knee joint** Knee joint- type of articular,surface capsule, synovial membren, ligament, relation

11 - 01pm	**AN18.2 Demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior compartment of leg** Dissection of Front of Leg (Batch A & B)	**AN18.1 Demontrate the major muscles of anterolateral compartment of leg with their attachment, nerve supply and actions** Dissection of Lateral side of Leg (Batch A & B)	**holiday of gudi padva**	**AN19.2 Demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of leg AN19.3 Explain the concept of "Peripheral heart" AN19.4 Explain the anatomical basis of rupture of calcaneal tendon AN20.5 Explain anatomical basis of varicose veins and deep vein thrombosis** Dissection of Posterior compartment of Leg (Batch A & B)	**AN19.6 Explain the anatomical basis of Flat foot & Club foot AN19.7 Explain the anatomical basis of Metatarsalgia & Plantar fasciitis** Dissection of Sole of foot (Batch A & B)	**AN18.4 Demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the knee joint** Dissection of Knee joint (Batch A & B)
01 - 02pm	Lunch	Lunch		Lunch	Lunch	Lunch
02 - 03pm				**ECE** Rickets	**Practical/LEC PY10.3 Describe and discuss somatic sensations & sensory tracts** Somatic sensations-2 (HI- Human Anatomy)	**Tutorial/LEC PY8.4 Describe function tests: Thyroid gland; Adrenal cortex, Adrenal medulla and pancreas** Function tests of endocrine glands (HI-Biochemistry)

03 - 04pm	**(PY-5.15)** Clinical Examination of cardiovascular system (P) Respiratory efficiency tests (P) **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)	**(PY-6.9)** Clinical examination of respiratory system (P) Stethography (P) **BI11.21 C Demonstrate the estimation of glucose , creatinine, Urea & total protein in serum** **BI11.8 Demonstrate estimation of serum proteins, albumin and A:G ratio** Demonstrate the estimation of Total Protein (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** **•ELISA** **•Immunodiffusion** **•Autoanalyser** **•Quality control** **•DNA isolation from blood/ tissue** TLC, PAGE (B)	**Community Practical/visit/AETCOM Subcenter**
04 - 05pm	**CM5.7** **Describe food hygiene and food safety** Food hygiene and food safety	**SDL/ Lecture** Structurs of RNA & DNA (B)		**ECE** Surgical Anatomy and the metabolism of Lens (HI-Human Anatomy) (B)	**SDL - Eimur (Anatomy)**	

Day	*Monday*	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Saturday*
Date/Time	*30.03.2020*	*31.03.2020*	*01.04.2020*	*02.04.2020*	*03.04.2020*	*04.04.2020*
09-10am	**PY10.3** **Describe and discuss somatic sensations & sensory tracts** Somatic sensations-3 (HI-Human Anatomy)	**PY8.5** **Describe the metabolic and endocrine consequences of obesity & metabolic syndrome, Stress response. Outline the psychiatry component pertaining to metabolic syndrome.** Obesity	**PY10.4** **Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus** Motor tracts-1 **(HI-Human Anatomy)**		**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 the transcription & translation mechanisms.** Replication of DNA-Prokaryotes & Eukaryotes & inhibitors (B)

10 - 11am	**AN18.4 Describe 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** Knee joint- movements, involved, blood, surfac, nerve supply, buarse around joint, locking &unlocking applied (Sharing - Orthopedics)	**AN20.2 Describe the subtalar and transverse tarsal joints** Ankle joint, Subtalar joint,Eversion & inversion	**AN19.5 Describe factors maintaining importance arches of the foot with its importance AN19.6 Explain the anatomical basis of Flat foot & Club foot** Arches of Foot (Sharing - Orthopedics)		**AN20.6 Desribe the bones and joints of lower limb seen in anteroposterior and lateral view radiographs of various regions of lower limb** Radiology of lower limb (Sharing- Radiodiagnosis)	Development of Pharyngeal Apparatus, Pharyngeal Arches, & Clinical correlation

11 - 01pm	**AN18.4 Demonstration of 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 Demonstrate the knee joint injuries with its applied anatomy AN18.7 Explain anatomical basis of Osteoarthritis** Dissection of Knee joint (Batch A & B)	**AN20.2 Demontrate the subtalar and transverse tarsal joints** Dissection of Ankle joint (Batch A & B)	**AN19.5 Demonstration factors maintaining importance arches of the foot with its importance AN19.6 Explain the anatomical basis of Flat foot & Club foot** Dissection of arches of foot (Batch A & B)	**holiday of ram navami**	**Surface marking of Lower limb- Demontrate the the bony land marks, Vertebral levels of highest ponit of Iliac creast, PSIS, ASIS, pubic tubercles & crest** Surface marking of Lower limb-	Demonstration of development of pharyngeal apparatus (Batch A & B)
01 - 02pm	Lunch	Lunch	Lunch		Lunch	Lunch

02 - 03pm	**(PY-6.9)** Clinical examination of respiratory system (P) Stethography (P) **BI11.21 C Demonstrate the estimation of glucose , creatinine, Urea & total protein in serum** **BI11.8 Demonstrate estimation of serum proteins, albumin and A:G ratio** Demonstrate the estimation of Total Protein (B)	**(PY-6.9)** Clinical examination of respiratory system (P) Stethography (P) **BI11.21 C Demonstrate the estimation of glucose , creatinine, Urea & total protein in serum** **BI11.8 Demonstrate estimation of serum proteins, albumin and A:G ratio** Demonstrate the estimation of Total Protein (B)	**(PY-3.14)** Ergography (P) Artificial respiration (P) **BI11.8 Demonstrate estimation of serum proteins, albumin and A:G ratio** Demonstrate the estimation of Albumin & A:G Ratio (B)		**Practical/LEC** **PY10.4** **Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus** Motor tracts-2 (Human Anatomy)	**Tutorial/LEC** **PY7.1** **Describe structure and function of kidney** Kidney
03 - 04pm					**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)	**Community Practical/SGD/AETCOM** **Food Hygiene**

04 - 05pm	CM5.8 **Describe and discuss the importance and methods of food fortification and effects of additives and adulteration** food fortification and effects of additives and food adulteration	**SDL** Nucleotide Metabolism (B)	**SDL** ADH		**SDL - Hamstnny Muscles(Anatomy)**	
Day	***Monday***	***Tuesday***	***Wednesday***	***Thursday***	***Friday***	***Saturday***
Date/Time	***06.04.2020***	***07.04.2020***	***08.04.2020***	***09.04.2020***	***10.04.2020***	***11.04.2020***
09-10am	**Holiday of Mahaveer Jayanti**	**IInd Internal Assessment Exam 7.4.2020 to 13.4.2020**				
10 - 11am						
11 - 01pm						
01 - 02pm						
02 - 03pm						
03 - 04pm						
04 - 05pm						

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	13.04.2020	14.04.2020	15.04.2020	16.04.2020	17.04.2020	18.04.2020
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)	**BI7.2 C Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms.** Transcription mechanism in Prokaryotes & Eukaryotes, post-transcripitional modifications (B)	**BI7.2 D Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms.** Genetic code & Translation - Protein Biosynthesis (B)
10 - 11am			**AN43.4 Describe the development and developmental basis of congenital anomalies of face, palate, tongue, branchial apparatus, pituitary gland, thyroid gland** Development of Face, Nose, Palate & Anamolies	**AN52.1 Describe the development of Gastro-intestinal system: Oesophagus, Fundus of stomach, Pylorus of stomach, Duodenum, Jejunum, Ileum,** GIT-II- Development of Duodenum, midgut derivatives, rotation of mid gut & derivatives, physiological hernea.	**AN52.1 Describe the development of Oesophagus, Fundus of stomach, Pylorus of stomach, Duodenum, Jejunum, Ileum, Large intestine, Appendix,** GIT-III- Development of terminal part of Ileum, caecum, Appendix, Colon, hind gut-distal 1/3rd , rectum & anal canal, clinical corelation	**AN52.5 Describe the development and congenital anomalies of Diaphragm** Development of Digestive glands- Liver, Pancreas, Spleen, oral cavity, salivary gland, Teeth. (Sharing- General Surgery)

11 - 01pm	**IInd Internal Assessment Exam 7.4.2020 to 13.4.2020**	**Holiday of ambedkar Jayanti**	**AN52.1 Describe the features of Gastro-intestinal system: Oesophagus, Fundus of stomach, Pylorus of stomach** GIT-I,- Source of development, Clocal membrane, Oesophagus,& Stomach	**AN52.1 Demontrate the development of Gastro-intestinal system: Oesophagus, Fundus of stomach, Pylorus of stomach, Duodenum, Jejunum, Ileum,** Demontrate the Development of Duodenum, midgut derivatives, rotation of mid gut & derivatives, physiological hernea. (Batch A & B)	**AN52.1 Demontrate the development of Oesophagus, Fundus of stomach, Pylorus of stomach, Duodenum, Jejunum, Ileum, Large intestine, Appendix,** Demontrate the development of Oesophagus, Fundus of stomach, Pylorus of stomach, Duodenum, Jejunum, Ileum, Large intestine, Appendix, (Batch A & B)	**AN52.5 Demonstrate the development and congenital anomalies of Diaphragm** Demonstrate the development and congenital anomalies of Diaphragm (Batch A & B)
01 - 02pm			Lunch	Lunch	Lunch	Lunch
02 - 03pm				**ECE** Itching	**Practical/LEC PY7.2 Describe the structure and functions of juxta glomerular apparatus and role of renin-angiotensin system** Juxta glomerular apparatus	**Tutotial/LEC PY10.5 Describe and discuss structure and functions of reticular activating system, autonomic nervous system (ANS)** Reticular activating System (HI-Human Anatomy)

03 - 04pm			**(PY-3.14)** Ergography (P) Artificial respiration (P) **BI11.8 Demonstrate estimation of serum proteins, albumin and A:G ratio** Demonstrate the estimation of Albumin & A:G Ratio (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** Immunodiffusion (B)	Community Practical/SGD/AETCOM Milk Hygiene
04 - 05pm			**SDL** Functions of spinal cord	Community SDL Sociology of Nutrition	**SDL - Popliteal fossa (Anatomy)**	
Day	***Monday***	***Tuesday***	***Wednesday***	***Thursday***	***Friday***	***Saturday***

Date/Time	*20.04.2020*	*21.04.2020*	*22.04.2020*	*23.04.2020*	*24.04.2020*	*25.04.2020*
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	**PY10.5** **Describe and discuss structure and functions of reticular activating system, autonomic nervous system (ANS)** Autonomic nervous system (ANS)-1 (HI-Human Anatomy)	**PY10.5** **Describe and discuss structure and functions of reticular activating system, autonomic nervous system (ANS)** Autonomic nervous system (ANS)-2 (HI-Human Anatomy)	**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)	**BI7.3** **Describe gene mutations and basic mechanism of regulation of gene expression** Regulations of Gene expression & mutation (VI- Pediatrics) (B)

10 - 11am	**AN52.5 Describe the development and congenital anomalies of Diaphragm** Development of Respiratory system-Respiratory diverticulum, Larynx,Trachia, Bronchai & Lung (Sharing-General Surgery)	**AN52.5 Describe the development and congenital anomalies of Diaphragm** Development of body cavities, Pluro-pericardial membrane, Diaphragh, Percardial cavity, Pleural cavity (Sharing- General Surgery)	**AN25.2 Describe development heart. AN25.5 Describe developmental basis of congenital anomalies, transposition of great vessels, dextrocardia, patent ductus arteriosus and coarctation of aorta** Development of CVS-I, heart tube,formation of cardiac wall, acquision of adult form, Atrio-ventrical septum,Inter atrial septum,Absorption of pulmonary veins. (Sharing- General Medicine, Pediatrics) (Alighment- Physiology)	**AN25.5 Describe developmental basis of congenital anomalies, transposition of great vessels, dextrocardia, patent ductus arteriosus and coarctation of aorta** Development of CVS-II, Formation of interventricular septum, Aortico-pulmonary septum, Atri-ventricular septum (Sharing- General Medicine, Pediatrics) (Alighment- Physiology)	**AN25.6 Mention development of aortic arch arteries, SVC, IVC and coronary sinus** Development of pharyngeal arteries, main artery of Head, Neck, thorax,limbs.	**AN25.6 Mention development of aortic arch arteries, SVC, IVC and coronary sinus** Development of Veins-Inferior venecava, portal vein,& Somatic veins, Azygus vein
11 - 01pm	**AN52.5 Demonstrate the development and congenital anomalies of Diaphragm** Demonstrate the development and congenital anomalies of Diaphragm (Batch A & B)	**AN53.1 Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups** Demontration of Skull-Norma Verticalis, Occipitalis (Batch A & B)	**AN53.1 Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups** Demontration of Skull-Norma Frontalis (Batch A & B)	**AN53.1 Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups** Demontration of Orbit (Batch A & B)	**AN53.1 Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups** Demontration of Mandible-I (Batch A & B)	**AN53.1 Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups** Demontration of Mandible- II , & Hyoid (Batch A & B)
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch

02 - 03pm	**(PY-3.14)** Ergography (P) Artificial respiration (P) **BI11.8 Demonstrate estimation of serum proteins, albumin and A:G ratio** Demonstrate the estimation of Albumin & A:G Ratio (B)	**(PY-10.11)** Examination of sensory functions (P) **(PY-10.20)** Cranial nerves –I ,III,IV, V,VI (P) **BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum.** Demonstrate the estimation of Urea (B)	**(PY-10.11)** Examination of sensory functions (P) **(PY-10.20)** Cranial nerves –I ,III,IV, V,VI (P) **BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum.** Demonstrate the estimation of Urea (B)	**ECE** Acute & Chronic renal failure	**Practical/LEC** **PY7.4** **Describe & discuss the significance & implication of Renal Clearance** Renal clearance	**Tutorial/LEC** **PY10.6** **Describe and discuss Spinal cord, its functions, lesion & sensory Disturbances** Spinal Cord-1 (HI-Human Anatomy)
03 - 04pm				**SGD/Tutorial** Genetic Code (B)	**Practical/Demonstraion** **BI11.18 Discuss the principles of spectrophotometry.** Demonstration of Spectrophotometer (B)	**Community Practical/Visit/AETCOM** **Food Hygiene of Central Canteen**
04 - 05pm	**CM6.1** **Formulate a research question for a study** Formulation a research question for a study	**SDL** Protein Biosynthesis (B)	**SDL** Functions of Growth hormone	**ECE** Clinical exposer related to replication & transcription (VI- General Medicine) (B)	**SDL - Study of Base of Skull (Anatomy)**	
Day	***Monday***	***Tuesday***	***Wednesday***	***Thursday***	***Friday***	***Saturday***

Date/Time	*27.04.2020*	*28.04.2020*	*29.04.2020*	*30.04.2020*	*01.05.2020*	*02.05.2020*
09-10am	**PY10.6** **Describe and discuss Spinal cord, its functions, lesion & sensory Disturbances** Spinal Cord-2 (HI-Human Anatomy)	**PY7.5** **Describe the renal regulation of fluid and electrolytes & acid-base Balance** Renal regulation of fluid and electrolytes	**PY7.5** **Describe the renal regulation of fluid and electrolytes & acid-base Balance** **A**cid-base Balance	**PY10.7** **Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities** Cerebral cortex-1 (HI-Human Anatomy) (VI-Pasychiatry)	**BI7.4 A** **Describe applications of molecular technologies like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis.** Recombinant DNA Technology & its applications (Pediatrics, General Medicine) (B)	**BI7.4 B** **Describe applications of molecular technologies like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis.** Molecular diagnosis and genetic techniques (Pediatrics, General Medicine) (B)

10 - 11am	**AN25.6 Mention development of aortic arch arteries, SVC, IVC and coronary sinus** Fetal circulation, Lymphatic system, ducts,Dev. of Tonsil	**AN52.7 Describe the development of Urinary system** Development of Urinary system,Evolutionary stages of Kidney,- Pronephros, Mesonephros, metanephrose,kidney, ureter, congenital anomalies of kidney (Sharing- General surgery)	**AN52.7 Describe the development of Urinary system** Development of Urinary Bladder, urethra, Prostate,sourses of development of Gonads, in different stages, definative stage. (Sharing- General surgery)	**AN52.8 Describe the development of male & female reproductive system** Development of testis, Ovary, Genitalducts in males & females. Dev. Of external genitalia (Sharing- Obstetrics & Gynaecology)	**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** Development of CNS- formation of neural tube, neural crest cells, functional coloums,flexurs of brain, Spinal cord. (Sharing- Obstetrics & Gynaecology, Pediatrics)	**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 AN28.2 Describe sensory innervation of face** Scalp, Extent, layers, Blood Supply, Innervation, lymphatic Drainage, clinical correction Face:- Muscles, innervation,Parotid fascia, (Sharing - General Surgery)
11 - 01pm	**AN53.1 Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups** Demontration of Cervical vertebrae (Batch A & B)	**AN50.1 Demonstrate the curvatures of the vertebral column. AN50.2 Describe & demonstrate the type, articular ends, ligaments and movements of Intervertebral joints,** Demontration of Vertebral colomn & Vertebral Canal (Batch A & B)	**AN50.1 Demonstrate the curvatures of the vertebral column. AN50.2 Describe & demonstrate the type, articular ends, ligaments and movements of Intervertebral joints,** Demontration of Skull- Norma lateris-I (Batch A & B)	**AN53.1 Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups** Demontration of Skull- Norma lateris-II (Batch A & B)	**AN53.1 Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups** Demontration of Norma Basalis-Externa-I (Batch A & B)	**AN27.1 Demonstration of the layers of scalp, its blood supply, its nerve supply and surgical importance AN27.2 Demonstration of emissary veins with its role in spread of infection from extracranial route to intracranial venous sinuses AN28.2 Demonstration of sensory innervation of face** Demontration of Norma Basalis-Externa-II (Batch A & B)

01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
02 - 03pm	**(PY-10.11)** Examination of sensory functions (P) **(PY-10.20)** Cranial nerves –I ,III,IV, V,VI (P) **BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum.** Demonstrate the estimation of Urea (B)	**(PY-10.11)** **Exam**ination of motor functions (P) **(PY-10.20)** Visual acuity (P) **BI11.9 A Demonstrate the estimation of serum total cholesterol and HDLcholesterol** Demonstrate the estimation of Cholesterol (B)	**(PY-10.11)** **Exam**ination of motor functions (P) **(PY-10.20)** Visual acuity (P) **BI11.9 A Demonstrate the estimation of serum total cholesterol and HDLcholesterol** Demonstrate the estimation of Cholesterol (B)	**ECE** Pain	**Practical/LEC 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)	**Tutorial/LEC PY7.6 Describe the innervations of urinary bladder, physiology ofmicturition and its abnormalities** Physiology of micturition
03 - 04pm				**SGD/Tutorial** Molecular Biology (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)	Community Practical/visit/AETCOM Milk Hygiene - Sanchi dairy

04 - 05pm	**CM6.2** **Describe and discuss the principles and demonstrate the methods of collection, classification, analysis, interpretation and presentation of statistical data** Collection, classification, analysis, interpretation and presentation of statistical data	**SDL/ Lecture** Paper Discussion of IInd Internal Exam (B)	**SDL** Maintenance of Equilibrium	**SGD** Protein Targeting & sorting and its associated disorders (B)	**SDL - Innervationof face (Anatomy)**	
Day	***Monday***	***Tuesday***	***Wednesday***	***Thursday***	***Friday***	***Saturday***
Date/Time	***04.05.2020***	***05.05.2020***	***06.05.2020***	***07.05.2020***	***08.05.2020***	***09.05.2020***
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)	**PY7.7** **Describe artificial kidney, dialysis and renal transplantation** Dialysis (VI-General Medicine)	**PY7.8** **Describe & discuss Renal Function Tests** Renal function tests (HI-Biochemistry)	Hormones Mechanism I Classifications & mechanism of action group 1 & 2 Hormones (B)	Hormones Mechanism II Pituitary hormone, growth hormone, thyroid & adrenal hormones (B)

10 - 11am	**AN28.6 Discribe superficial muscles of face, their nerve supply and actions AN28.1 Describe muscles of facial expression and their nerve supply AN28.4 Describe branches of facial nerve with distribution AN28.3 Describe & demonstrate origin /formation, course, branches /tributaries of facial vessels AN28.7 Explain the anatomical basis of facial nerve palsy AN28.8 Explain surgical importance of deep facial vein** Muscles of face, motor nerve supply , facial nerve,clinical correlation, Venous drainage.	**AN35.1 Describe the parts, extent, attachments, modifications of deep cervical fascia AN35.10 Describe the fascial spaces of neck** Cutaneus innervation of neck,superfecial fascia, Platysma, supefecial vein, superficial lymph node & Vessels, Deep cervical fascia, & Clinical correlation	**AN29.1 Describe attachments, nerve supply, relations and actions of sternocleidomastoid AN29.3 Explain anatomical basis of wry neck AN29.4 Describe attachments of 1) inferior belly of omohyoid, 2)scalenus anterior, 3) scalenus medius & 4) levator scapulae** Triangles of Neck, sterno-cledomastoid, trapezius,posterior triangle, bounadaries, & Contents.	**AN32.2 Discribe boundaries and contents of muscular, carotid, digastric and submental triangles AN35.7 Describe the course and branches of IX, X, XI & XII nerve in the neck** Carotid triangle, Bounadaries, content, Extra cranial course of IX ,X,XI & XII cranial nerves.	**AN42.2 Describe 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** Back of Neck - fascia, Ligamentum nuchae, muscles of back of neck, sub-occipital triangle.	**AN35.2 Describe location, parts, borders, surfaces, relations & blood supply of thyroid gland AN35.8 Describe the anatomically relevant clinical features of Thyroid swellings** Thyroid, Parathyroid, pretracheal fascia, trachea, oesophagus. (Sharing - General Surgery)

11 - 01pm	**AN28.6 Identify superficial muscles of face, their nerve supply and actions** Demontration of Norma - Interna-I (Batch A & B)	**AN35.1 Demonstration of the parts, extent, attachments, modifications of deep cervical fascia AN35.10 Demonstration of the fascial spaces of neck** Demontration of Norma - Interna-II (Batch A & B)	**AN32.1 Describe boundaries and subdivisions of anterior triangle AN28.5 Describe cervical lymph nodes and lymphatic drainage of head, face and neck** structures in mid line of Neck, Subdivision of neck, Suprameatal triangle, Digastric triangle, Muscular triangle. Blood supply & Lymphatic drainage of Neck.	**AN32.2 Demonstrate boundaries and contents of muscular, carotid, digastric and submental triangles AN35.7 Demonstrate the course and branches of IX, X, XI & XII nerve in the neck** Dissection of Neck & Scalp (Batch A & B)	**AN42.2 Demonstrate the boundaries and contents of Suboccipital triangle AN42.3 Demonstrate the position, direction of fibres, relations, nerve supply, actions of semispinalis capitis and splenius capitis** Dissection of Back of neck (Batch A & B)	**AN35.2 Demonstrate location, parts, borders, surfaces, relations & blood supply of thyroid gland AN35.8 Demonstrate the anatomically relevant clinical features of Thyroid swellings** Dissection of Thyroid (Batch A & B)
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
02 - 03pm	**(PY-10.11)** Examination of motor functions (P) **(PY-10.20)** Visual acuity (P) **BI11.9 A Demonstrate the estimation of serum total cholesterol and HDLcholesterol** Demonstrate the estimation of Cholesterol (B)	**(PY-10.20)** Perimetry (P) **(PY-10.11)** Examination of reflex (P) **BI11.9 B Demonstrate the estimation of serum total cholesterol and HDLcholesterol** Demonstrate the estimation of HDL Cholesterol(B)	**(PY-10.20)** Perimetry (P) **(PY-10.11)** Examination of reflex (P) **BI11.9 B Demonstrate the estimation of serum total cholesterol and HDLcholesterol** Demonstrate the estimation of HDL Cholesterol(B)	**ECE** Dialysis	**Practical/LEC PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities** Hypothalamus (HI-Human Anatomy) (VI-Psychiatry)	**Tutorial/LEC PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities** Thalamus (HI-Human Anatomy) (VI-Psychiatry)
03 - 04pm				**SGD/Tutorial** Importancs of Molecular diagnosis and genetic techniques (VI- General Medicine)	**Practical/Demonstraion BI11.2 Describe the preparation of buffers and estimation of pH.** preparation of buffers and estimation of pH.	

04 - 05pm	**CM6.3** **Describe, discuss and demonstrate the application of elementary statistical methods including test of significance in various study designs** statistical methods and test of significance	**SGD** Blotting Techniques (B)	**SDL** Hormones of Pineal gland	**Community SDL** **Scope of Research in public Health once in a month**	**SDL - Ant. Triangle of Nack (Anatomy)**	Community Practical/SGD/AETCOM Malaria Control
Day	***Monday***	***Tuesday***	***Wednesday***	***Thursday***	***Friday***	***Saturday***
Date/Time	***11.05.2020***	***12.05.2020***	***13.05.2020***	***14.05.2020***	***15.05.2020***	***16.05.2020***
09-10am	**PY7.9** **Describe cystometry and discuss the normal cystometrogram** Cystometry	**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)	**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)	**PY9.1** **Describe and discuss sex determination; sex differentiation and their abnormities and outline psychiatry and practical implication of sex determination** Sex determination & sex differentiation (HI-Human Anatomy)	**BI4.6 Describe the therapeutic uses of prostaglandins and inhibitors of eicosanoid synthesis.** Prostaglandins- Structures, Types and Uses (VI-General Medicine) (B)	

10 - 11am	**AN28.9 Describe 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** Parotid region, parotid gland, secreto-motor pathway, clinical correlations (Sharing - General Surgery)	**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** Submandibular region, muscles, submandibular gland, Secretomotor pathway & Clinical correlation. (Sharing - General Surgery)	**AN30.3 Describe dural folds & dural venous sinuses AN43.4 Describe the development and developmental basis of congenital anomalies of face, palate, tongue, branchial apparatus, pituitary gland, thyroid gland & eye** Cranial Cavity-I, Menninges & hypophysis cerebrai	**AN30.3 Describe dural folds & dural venous sinuses** Cranial Cavity-II, Dural venous sinuses.	**AN31.1 Describe & identify extra ocular muscles of eyeball AN31.3 Describe anatomical basis of Horner's syndrome AN31.2 Describe & demonstrate nerves and vessels in the orbit AN31.4 Enumerate components of lacrimal apparatus** Eye lid, Lacrimal Apparatous, Orbit (Sharing-Ophthalmology)	**20 to 31.05.2020 (Summer Vacation)**
11 - 01pm	**AN28.9 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** Dissection of Parotid region. (Batch A & B)	**AN34.1 Demonstrate the morphology, relations and nerve supply of submandibular salivary gland & submandibular ganglion AN34.2 Demonstrate the basis of formation of submandibular stones** Dissection of Submandibular region (Batch A & B)	**AN30.3 Identify dural folds & dural venous sinuses AN43.4 Demonstrate the development and developmental basis of congenital anomalies of face, palate, tongue, branchial apparatus, pituitary gland, thyroid gland & eye** Dissection of Cranial Cavity (Batch A & B)	**AN30.3 Identify dural folds & dural venous sinuses** Dissection of Cranial Cavity (Batch A & B)	**AN31.1 Identify extra ocular muscles of eyeball AN31.2 Demonstrate nerves and vessels in the orbit** Dissection of Orbit (Batch A & B)	
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	

02 - 03pm	**(PY-10.20)** Perimetry (P) **(PY-10.11)** Examination of reflex (P) **BI11.9 B Demonstrate the estimation of serum total cholesterol and HDL cholesterol** Demonstrate the estimation of HDL Cholesterol(B)	**_PY-10.20)** Colour vision (P) **(PY-10.20)** Cranial nerves –VII (P) **BI11.10 Demonstrate the estimation of triglycerides** Demonstrate the estimation of Triglyceride(B)	**_PY-10.20)** Colour vision (P) **(PY-10.20)** Cranial nerves –VII (P) **BI11.10 Demonstrate the estimation of triglycerides** Demonstrate the estimation of Triglyceride(B)	**ECE** Brown-sequard Symdrome	**Practical/LEC PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities** Limbic system (HI-Human Anatomy) (VI-Psychiatry)	**16.05.202**
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)	
04 - 05pm	**CM6.4 Enumerate, discuss and demonstrate Common sampling techniques, simple statistical methods, frequency distribution, measures of central tendency and dispersion** sampling techniques and presentation	**SDL/ Lecture** Prostaglandins therapeutic uses (B)	**SDL** Ascending tracts	**ECE** Significance of recombinant DNA (VI- General Medicine, Microbiology) (B)	**SDL - TM Joint (Anatomy)**	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	18.05.2020	19.05.2020	20.05.2020	21.05.2020	22.05.2020	23.05.2020
09-10am	**16.05.2020 to 31.05.2020 (Summer Vacation)**					
10 - 11am						
11 - 01pm						
01 - 02pm						
02 - 03pm						
03 - 04pm						
04 - 05pm						

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	25.05.2020	26.05.2020	27.05.2020	28.05.2020	29.05.2020	30.05.2020
09-10am	**16.05.2020 to 31.05.2020 (Summer Vacation)**					
10 - 11am						
11 - 01pm						
01 - 02pm						
02 - 03pm						
03 - 04pm						
04 - 05pm						

Day	*Monday*	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Saturday*
Date/Time	*01.06.2020*	*02.06.2020*	*03.06.2020*	*04.06.2020*	*05.06.2020*	*06.06.2020*
09-10am	**PY9.2 Describe and discuss puberty: onset, progression, stages; early and delayed puberty and outline adolescent clinical and psychological association. PY9.7 Describe and discuss the effects of removal of gonads on physiological functions** Puberty & Adolescence	**PY10.8 Describe and discuss behavioural and EEG characteristics during sleep and mechanism responsible for its production** EEG & Sleep-1 (VI-Ps ychiatry)	**PY10.8 Describe and discuss behavioural and EEG characteristics during sleep and mechanism responsible for its production** EEG & Sleep-2 (VI-Ps ychiatry)	**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-1	**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 Metaboilsm - Structures, derivatives and abnormal Hemoglobins(VI-Pathology, General Medicine) (HI- Physiology) (B)	**BI6.11 B Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin metabolism.** Hemoglobin Metaboilsm- Biosynthesis & degradations of Heam. (VI- Pathology, General Medicine) (HI- Physiology) (B)

10 - 11am	**AN41.3 Describe the position, nerve supply and actions of intraocular muscles** Orbit-I, Orbital fascia, Extra ocular muscles, Nerve supply, Action, fascia bulbi, suspensory ligament. (Sharing-Ophthalmology)	**AN31.5 Explain the anatomical basis of oculomotor, trochlear and abducent nerve palsies along with strabismus** Orbit-II, Nerves of orbit, Ciliary ganglion, Opthalmic artery & Vein. (Sharing-Ophthalmology)	**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** Eye Ball (Sharing-Ophthalmology)	**AN35.6 Describe and demonstrate the extent, formation, relation & branches of cervical sympathetic chain** Prevertebral muscles, vertebral artery & Vein.	**AN35.6 Describe and demonstrate the extent, formation, relation & branches of cervical sympathetic chain** Sypathetic chain, cervical plexus, paravertebral muscles	**AN33.1 Describe extent, boundaries and contents of temporal and infratemporal fossae** Temporal fossae-Bounadaries, contents, infra temporal fascia.
11 - 01pm	**AN41.3 Demontrate the position, nerve supply and actions of intraocular muscles** Dissection of Orbit (Batch A & B)	**AN31.5 Explain the anatomical basis of oculomotor, trochlear and abducent nerve palsies along with strabismus** Dissection of Orbit (Batch A & B)	**AN41.1 Demonstrate parts and layers of eyeball AN41.2 Demonstrate the anatomical aspects of cataract, glaucoma & central retinal artery occlusion AN41.3 Demonstrate the position, nerve supply and actions of intraocular muscles** Dissection of Eye ball (Batch A & B)	**AN35.6 Demonstrate the extent, formation, relation & branches of cervical sympathetic chain** Dissection of Prevertebral muscles, vertebral artery & Vein.. (Batch A & B)	**AN35.6 Demonstrate the extent, formation, relation & branches of cervical sympathetic chain** Dissection of Prevertebral muscles, vertebral artery & Vein.& cervical plexus. (Batch A & B)	**AN33.1 Demonstrate extent, boundaries and contents of temporal and infratemporal fossae** Dissection of Temporal Fossae (Batch A & B)
01 - 02pm	Lunch	Lunch	Lunch	Lunch		Lunch

02 - 03pm	**(PY-10.20)** Colour vision (P) **(PY-10.20)** Cranial nerves –VII (P) **BI11.10 Demonstrate the estimation of triglycerides** Demonstrate the estimation of Triglyceride(B)	**(PY-10.20)** Cranial nerves –VIII (P) **(PY-10.20)** Cranial nerves IX,X,XI,XII (P) **BI11.11 Demonstrate estimation of calcium and phosphorous** Demonstrate the estimation of Calcium & Phosphorus (B)	**(PY-10.20)** Cranial nerves –VIII (P) **(PY-10.20)** Cranial nerves IX,X,XI,XII (P) **BI11.11 Demonstrate estimation of calcium and phosphorous** Demonstrate the estimation of Calcium & Phosphorus (B)	**ECE** Cystometry	**Practical/LEC** **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	**Tutorial/LEC** **PY10.9** **Describe and discuss the physiological basis of memory, learning and speech** Learning & Memory (VI-Psychiatry)
03 - 04pm				**SGD/Tutorial** Hemoglobinopathies (B)	**Practical/Demonstraion** **BI11.15 Describe & discuss the composition of CSF** discuss the composition of CSF (B)	
04 - 05pm	**CM7.1** **Define Epidemiology and describe and enumerate the principles, concepts and uses** Principles and concepts in Epidemiology	**SDL** Porhyrias (B)	**SDL** Pyramidal tracts	**CM SDL** Importace of Epidemiology in Public Health	**SDL - Larynx - Innervation & Lymphatic drainage (Anatomy)**	Community Practical/visit/AETCOM Malaria Control unit

Day	*Monday*	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Saturday*

Date/Time	*08.06.2020*	*09.06.2020*	*10.06.2020*	*11.06.2020*	*12.06.2020*	*13.06.2020*
09-10am	**PY10.9** **Describe and discuss the physiological basis of memory, learning and speech** Language & speech (VI-Psychiatry)	**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	**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)	**BI10.2** **Describe various biochemical tumor markers and the biochemical basis of cancer therapy** Tumor Markers (VI-Obstetrics & Gynaecology, General Surgery, Pathology) (B)

10 - 11am	**AN33.1 Describe extent, boundaries and contents of temporal and infratemporal fossae** Deep contents of infra temporal fossae, Maxillary A. nerve, mandibular nerve, otic ganglion	**AN33.4 Explain the clinical significance of pterygoid venous plexus AN33.5 Describe the features of dislocation of temporomandibular joint** TM Joint	**AN39.1 Describe 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** Oral Cavity & Tounge	**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 AN36.4 Describe the anatomical basis of tonsillitis, tonsillectomy, adenoids and peri-tonsillar abscess AN36.5 Describe the clinical significance of Killian's dehiscence** Pharynx -I, Bounadaries, relations,subdivisions,Nasopharynx,Oropharunx, Laryngopharynx (Sharing-ENT)	**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 AN36.4 Describe the anatomical basis of tonsillitis, tonsillectomy, adenoids and peri-tonsillar abscess AN36.5 Describe the clinical significance of Killian's dehiscence** Pharynx -II- Pharyngeal wall, muscles, blood supply, nerve supply, lymphatic drainage, Mechanism of deglutination, Palatine tonsil (Sharing-ENT)	**AN40.2 Describe the boundaries, contents, relations and functional anatomy of middle ear and auditory tube** Auditory tube & Soft palate (Sharing-ENT)

11 - 01pm	**AN33.1 Demonstrate extent, boundaries and contents of temporal and infratemporal fossae** Dissection of Infra-Temporal Fossae (Batch A & B)	**AN33.4 Explain the clinical significance of pterygoid venous plexus AN33.5 Demonstrate the features of dislocation of temporomandibular joint** Dissection of TM Joint (Batch A & B)	**AN39.1 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** Dissection of Oral Cavity & Tounge (Batch A & B)	**AN36.1 Demonstrate the 1) morphology, relations, blood supply and applied anatomy of palatine tonsil 2) composition of soft palate AN36.2 Demonstrate the components and functions of Waldeyer's lymphatic ring AN36.4 Demonstrate the anatomical basis of tonsillitis, tonsillectomy, adenoids and peri-tonsillar abscess AN36.5Demonstrate the clinical significance of Killian's dehiscence** Dissection Pharynx (Batch A & B)	**AN36.1 Demonstrate the 1) morphology, relations, blood supply and applied anatomy of palatine tonsil 2) composition of soft palate AN36.2 Demonstrate the components and functions of Waldeyer's lymphatic ring AN36.4 Demonstrate the anatomical basis of tonsillitis, tonsillectomy, adenoids and peri-tonsillar abscess AN36.5Demonstrate the clinical significance of Killian's dehiscence** Dissection Pharynx (Batch A & B)	**AN40.2 Demonstrate the boundaries, contents, relations and functional anatomy of middle ear and auditory tube** Dissection of Auditory tube & Soft palate (Batch A & B)
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch

02 - 03pm	**(PY10.20)** Cranial nerves –VIII (P) **(PY10.20)** Cranial nerves IX,X,XI,XII (P) **BI11.11 Demonstrate estimation of calcium and phosphorous** Demonstrate the estimation of Calcium & Phosphorus (B)	Human reaction time (P) Revision of Clinical practicals (P) **BI11.12 Demonstrate the estimation of serum bilirubin** Demonstrate the estimation of Serum Bilirubin (B)	Human reaction time (P) Revision of Clinical practicals (P) **BI11.12 Demonstrate the estimation of serum bilirubin** Demonstrate the estimation of Serum Bilirubin (B)	**ECE** Parkinson's disease	**Practical/LEC PY9.5 Describe and discuss the physiological effects of sex hormones** Sex hormones	**Tutorial/LEC PY9.6 Enumerate the contraceptive methods for male and female. Discuss their advantages & disadvantages** Contraceptive methods (VI-Obstetrics & Gynaecology, Commnity Medicine)
03 - 04pm				**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)	

04 - 05pm	**CM7.2** **Enumerate, describe and discuss the modes of transmission and measures for prevention and control of communicable and non communicable diseases** modes of transmission, prevention and control of communicable and non communicable diseases (VI- GeneraL medicine)	**SDL** Tumor Markers (B)	**SDL** Functions of kidney	**ECE** Interprete the laboratory results of Heam metabolism (VI- Pathology) (B)	**SDL - Nosal System (Anatomy)**	Commnity Medicine Practical/SGD/AETCOM Vector Borne Disorders
Day	***Monday***	***Tuesday***	***Wednesday***	***Thursday***	***Friday***	***Saturday***

Date/Time	*15.06.2020*	*16.06.2020*	*17.06.2020*	*18.06.2020*	*19.06.2020*	*20.06.2020*
09-10am	**PY10.13** **Describe and discuss perception of smell and taste sensation** Sensation of smell & taste-1 (VI-ENT)	**PY10.14** **Describe and discuss patho-physiology of altered smell and taste sensation** Sensation of smell & taste-2 (VI-ENT)	**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))	**PY9.8** **Describe and discuss the physiology of pregnancy, parturition & lactation and outline the psychology and psychiatry-disorders associated with it.** Lactation (VI – Obstetrics & Gynaecology))	**BI10.3** **Describe the cellular and humoral components of the immune system & describe the types and structure of antibody** Immunochemistry - Types of immunity & immune system (VI- Obstetrics & Gynaecology, General Surgery, Pathology) (B) (B)	**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 - Immun response, antigen antibody concept & veccine development (VI- General Medicine, Pathology) (HI- Physiology) (B)

10 - 11am	**AN36.3 Describe the boundaries and clinical significance of pyriform fossa AN38.1 Describe the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic muscles of the larynx** Larynx-I, Extent, Skeleton, cartilage, ligaments, muscles (Sharing - ENT)	**AN38.2 Describe the anatomical aspects of laryngitis AN38.3 Describe anatomical basis of recurrent laryngeal nerve injury** Larynx-II, Cavity,Subdivision, Membrens, Nurve Supply, Blood Supply, Lympatic Drainage, Rima glottidis, Phonation, Clinical Correlation (Sharing - ENT)	**AN37.1 Describe & demonstrate features of nasal septum, lateral wall of nose, their blood supply and nerve supply AN43.3 Describe and draw microanatomy of olfactory epithelium, eyelid, lip, sclero-corneal junction, optic nerve, cochlea- organ of corti, pineal gland** Nose- External nose, Nosal cavity, boundaries, Lining, BS, NS, Pterigipalatine Ganglion (Sharing - ENT)	**AN37.2 Describe location and functional anatomy of paranasal sinuses AN37.3 Describe anatomical basis of sinusitis & maxillary sinus tumours** Paranasal sinuses (Sharing - ENT)	**AN40.1 Describe the parts, blood supply and nerve supply of external AN40.2 Describe the boundaries, contents, relations and functional anatomy of middle ear and auditory tube ear AN40.3 Describe the features of internal ear AN40.4 Explain anatomical basis of otitis externa and otitis media AN43.3 Describe and draw microanatomy of olfactory epithelium, eyelid, lip, sclero-corneal junction, optic nerve, cochlea- organ of corti, pineal gland** External ear, Middle Ear (Sharing - ENT)	**AN40.1 Describe the parts, blood supply and nerve supply of external AN40.2 Describe the boundaries, contents, relations and functional anatomy of middle ear and auditory tube ear AN40.3 Describe the features of internal ear AN40.4 Explain anatomical basis of otitis externa and otitis media AN43.3 Describe and draw microanatomy of olfactory epithelium, eyelid, lip, sclero-corneal junction, optic nerve, cochlea- organ of corti, pineal gland** Internal Ear (Sharing - ENT)

11 - 01pm	**AN36.3 Demonstrate the boundaries and clinical significance of pyriform fossa AN38.1 Demonstrate the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic muscles of the larynx** Dissection of Larynx (Batch A & B)	**AN38.2 Demonstrate the anatomical aspects of laryngitis AN38.3 Demonstrate anatomical basis of recurrent laryngeal nerve injury** Dissection of Larynx (Batch A & B)	**AN37.1 Demonstrate features of nasal septum, lateral wall of nose, their blood supply and nerve supply AN43.3 Identify and draw microanatomy of olfactory epithelium, eyelid, lip, sclero-corneal junction, optic nerve, cochlea- organ of corti, pineal gland** Dissection of Nose (Batch A & B)	**AN37.2 Demonstrate location and functional anatomy of paranasal sinuses AN37.3 Demonstrate anatomical basis of sinusitis & maxillary sinus tumours** Dissection of Paranasal sinuses (Batch A & B)	**AN40.1 Identify the parts, blood supply and nerve supply of external AN40.2 Demonstrate the boundaries, contents, relations and functional anatomy of middle ear and auditory tube ear AN40.3 Demonstrate the features of internal ear AN40.4 Explain anatomical basis of otitis externa and otitis media earAN43.3 Identify and draw microanatomy of olfactory epithelium, eyelid, lip, sclero-corneal junction, optic nerve, cochlea- organ of corti, pineal gland** Dissection of External ear, Middle Ear (Batch A & B)	**AN40.1 Identify the parts, blood supply and nerve supply of external AN40.2 Demonstrate the boundaries, contents, relations and functional anatomy of middle ear and auditory tube ear AN40.3 Demonstrate the features of internal ear AN40.4 Explain anatomical basis of otitis externa and otitis media earAN43.3 Identify and draw microanatomy of olfactory epithelium, eyelid, lip, sclero-corneal junction, optic nerve, cochlea- organ of corti, pineal gland** Dissection of Internal Ear (Batch A & B)
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch

02 - 03pm	Human reaction time (P) Revision of Clinical practicals (P) **BI11.12 Demonstrate the estimation of serum bilirubin** Demonstrate the estimation of Serum Bilirubin (B)	**(PY-10.11)** CNS Higher functions (P) Thermometry (P) **BI11.13 Demonstrate the estimation of SGOT/ SGPT** Demonstrate the estimation of SGOT/SGPT (B)	**(PY-10.11)** CNS Higher functions (P) Thermometry (P) **BI11.13 Demonstrate the estimation of SGOT/ SGPT** Demonstrate the estimation of SGOT/SGPT (B)	**ECE** Metobolice Syndrome	**Practical/LEC** **PY10.15** **Describe and discuss functional anatomy of ear and auditory pathways & physiology of hearing** Ear & Auditory pathway (VI-ENT)	**Tutorial/LEC** **PY10.15** **Describe and discuss functional anatomy of ear and auditory pathways & physiology of hearing** Physiology of hearing (VI – ENT)
03 - 04pm				SGD/Tutorial FA- Cancer & Oncogenes (B)	**Practical/Demonstraion** **Demonstraion of Glucose estimation by Folen WU tube method (B)**	
04 - 05pm	CM7.3**Enumerate, describe and discuss the sources of epidemiological data.** sources of epidemiological data(VI-GeneraL medicine)	**SGD** Thalasaemia (B)	**SDL** Functions of temporal lobe of brain	**ECE**- Clinical exposer related to Tumor Markers. (VI-General Medicine) (B)	**SDL - Thyroid gland (Anatomy)**	Community Medicine Practical/**SGD**/AETCOM Vector Borne Diseases

Day	*Monday*	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Saturday*
Date/Time	*22.06.2020*	*23.06.2020*	*24.06.2020*	*25.06.2020*	*26.06.2020*	*27.06.2020*
09-10am	**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 analysis	**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)	**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)	**BI7.5 Describe the role of xenobiotics in disease Xenobiotics/Detoxification** Mechanism of Detoxification (VI- General Medicine) (B)
10 - 11am	**AN43.1 Describe the movements with muscles producing the movements of atlantooccipital joint & atlantoaxial joint** Joint of Head & Neck	**Introduction, parts of Brain , Base of Brain**		**AN62.6 Describe formation, branches & major areas of distribution of circle of Willis** Blood Supply of Brain - I, Arteries of Brain, Circle of Willis, Functional significance Branches of Vertibral artery, Basilas artery, internal carotid artery, Arterial supply of cerebreum (Sharing - General Medicine) (Alighnment-Physiology)	**AN62.6 Describe formation, branches & major areas of distribution of circle of Willis** Blood Supply of Brain - II-Veous drainage, External cerebral veins, internal cerebral veins, venous drainage of diffrent surfaces of cerebreum (Sharing - General Medicine) (Alighnment-Physiology)	**AN62.2 Describe surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere** Cerebral hemispher- Sulci & Gyri (Sharing - General Medicine) (Alighnment-Physiology)

11 - 01pm	**AN43.1 Demonstrate the movements with muscles producing the movements of atlantooccipital joint & atlantoaxial joint** Dissection of Joints of Head & Neck (Batch A & B)	**Introduction, parts of Brain , Base of Brain**	**Holiday of Gudipadwa**	**AN62.6 Identify formation, branches & major areas of distribution of circle of Willis** Demonstration of Blood Supply of Brain (Batch A & B)	**AN62.6 Identify formation, branches & major areas of distribution of circle of Willis** Demonstration of Blood Supply of Brain (Batch A & B)	**AN62.2 Demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere** Demonstration of Cerebral hemisphe (Batch A & B)
01 - 02pm	Lunch	Lunch		Lunch	Lunch	Lunch
02 - 03pm	**(PY-10.11)** CNS Higher functions (P) Thermometry (P)	**(PY-10.12)** EEG (P) **(PY-4.10)** Clinical examination of abdomen (P)		**ECE** Alzheimer disease	**Practical/LEC** **PY9.11** **Discuss the hormonal changes and their effects during perimenopause and menopause** Menopause (VI-obstetricts & gynaecology)	**Tutorial/LEC** **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)
03 - 04pm	**BI11.13 Demonstrate the estimation of SGOT/ SGPT** Demonstrate the estimation of SGOT/SGPT (B)	**BI11.14 Demonstrate the estimation of alkaline phosphatase** Demonstrate the estimation of Alkaline Phosphates (B)		**SGD/Tutorial** Immunoglobulins- Types structures & Functioms (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)	CM Practical/**SGD**/AETCOM Copletion of Journals

04 - 05pm	CM7.4**Define, calculate and interpret morbidity and mortality indicators** based on given set of data(VI-GeneraL medicine)	**SDL** Journal Complition (B)		**SGD** Immunity in health & diseases (VI- General Medicine) (B)	**SDL - Fartilization & Implantation (Anatomy)**	

Day	***Monday***	***Tuesday***	***Wednesday***	***Thursday***	***Friday***	***Saturday***
Date/Time	***29.06.2020***	***30.06.2020***	***01.07.2020***	***02.07.2020***	***03.07.2020***	***04.07.2020***
09-10am	**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)	**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** Physiology of image formation (VI-Ophthalmology)	**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** Physiology of vision (VI-Ophthalmology)	**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** Physiology of pupil and light reflex (VI-Ophthalmology)	**BI6.13 B** **Describe the functions of the kidney, liver, thyroid and adrenal glands. 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)	**BI6.13 A** **Describe the functions of the kidney, liver, thyroid and adrenal glands.** **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)

10 - 11am	**AN62.2 Describe surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere** Functional areas of cerebreum (Sharing - General Medicine) (Alighnment- Physiology)	**AN52.5 Describe the development and congenital anomalies of Diaphragm AN57.1 Identify external features of spinal cord AN57.2 Describe extent of spinal cord in child & adult with its clinical implicationAN57.4 Enumerate ascending & descending tracts at mid thoracic level of spinal cord** **AN57.5 Describe anatomical basis of syringomyelia** Functional areas contiuned, external features of spinal cord, Blood Supply (Sharing - General Medicine) (Alighnment- Physiology)	**AN62.3 Describe the white matter of cerebrum** white matter of Cerebrum, Association Fibres, Commissural fibres (Sharing - General Medicine) (Alighnment- Physiology)	**AN62.3 Describe the white matter of cerebrum** White Matter of Cerebrum- Projection fibres- Intrnal capsule, clinical aspect (Sharing - General Medicine) (Alighnment- Physiology)	**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** Brain Stem- medulla, Extranal, Internal features, Blood Supply, clinical Correlation (Sharing - General Medicine) (Alighnment- Physiology)	**AN59.1 Discribe the 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** Pons- Extranal, Internal features, Blood Supply, clinical aspect

11 - 01pm	**AN62.2 Demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere** Demonstration of Functional areas of cerebreum (Batch A & B)	**AN52.5 Describe the development and congenital anomalies of Diaphragm** **AN57.1 Identify external features of spinal cord** **AN57.2 Describe extent of spinal cord in child & adult with its clinical implicationAN57.4 Enumerate ascending & descending tracts at mid thoracic level of spinal cord** **AN57.5 Describe anatomical basis of syringomyelia** Demonstration of Functional areas of cerebreum (Batch A & B)	**AN62.3 Demostration of the white matter of cerebrum** Demostration of the white matter of cerebrum (Batch A & B)	**AN62.3 Demostration of the white matter of cerebrum** Demostration of the white matter of cerebrum (Batch A & B)	**AN58.2 Demostration oftransverse 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 Demostration of anatomical basis & effects of medial & lateral medullary syndrome** Demostration of the Brain Stem (Batch A & B)	**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** Demostration of the Pons (Batch A & B)
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch

02 - 03pm	**PY-10.12)** EEG (P) **PY-4.10)** Clinical examination of abdomen (P) **BI11.14 Demonstrate the estimation of alkaline phosphatase** Demonstrate the estimation of Alkaline Phosphates (B)	**PY-10.12)** EEG (P) **PY-4.10)** Clinical examination of abdomen (P) **BI11.14 Demonstrate the estimation of alkaline phosphatase** Demonstrate the estimation of Alkaline Phosphates (B)	EMG (P) **(PY 5.14)** Autonomic function tests-P **BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance** Calculation of creatinine clearance test (B)	**ECE** Menopause	**Practical/LEC PY11.1 Describe and discuss mechanism of temperature regulation** Temperature regulation-1 (B)	**Tutorial/LEC PY11.2 Describe and discuss adaptation to altered temperature (heat and cold) PY11.3 Describe and discuss mechanism of fever, cold injuries and heat Stroke** Temperature regulation-1 (B)
03 - 04pm				SGD/Tutorial FA - Immunology (B)	**Lecture BI6.8 Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders.** ABG analysis in varoius disorders (VI- Genral Medicine) (B)	Community Medicine Practical/**SGD**/AETCOM Copletion of Journals
04 - 05pm	CM7.4**Define, calculate and interpret morbidity and mortality indicators based on given set of data** morbidity and mortality indicators(VI- GeneraL medicine)	**SDL** Body buffer system (B)	**SDL** JGA	**SDL** - Importance of Morbidity & Moltality in public Healtyh (CM)	**SDL - Methods of Contraception (Anatomy)**	

Day	*Monday*	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Saturday*
Date/Time	*06.07.2020*	*07.07.2020*	*08.07.2020*	*09.07.2020*	*10.07.2020*	*11.07.2020*
09-10am	**PY10.18** **Describe and discuss the physiological basis of lesion in visual Pathway** Visual Pathway (VI-Ophthalmology)	**PY10.18** **Describe and discuss the physiological basis of lesion in visual Pathway** Applied physiology of eye (VI-Ophthalmology)	**PY11.4** **Describe and discuss cardio-respiratory and metabolic adjustments during exercise; physical training effects** **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	**PY10.19** **Describe and discuss auditory & visual evoke potentials** Auditory & visual evoke potentials (VI-Ophthalmology / ENT)	**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)	**BI8.2** **Describe the types and causes of protein energy malnutrition and its effects.** **BI8.5** **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)

10 - 11am	**AN61.1 Discribe external & internal features of midbrain AN61.2 Describe internal features of midbrain at the level of superior & inferior colliculus AN61.3 Describe anatomical basis & effects of Benedikt's and Weber's syndrome** Mid Brain-External, internal features, blood supply & clinical aspect. (Sharing - General Medicine) (Alighnment-Physiology)	**AN62.1 Enumerate cranial nerve nuclei with its functional component** Functional component of cranial nerves (Alighnment- Physiology)	**AN60.1 Describe & demonstrate external & internal features of cerebellum AN60.2 Describe connections of cerebellar cortex and intracerebellar nuclei** Cerebellum-I, External & Internal features, Cerebellar peduncles	**AN60.3 Describe anatomical basis of cerebellar dysfunction** Cerebellum-II, Deep nuclei, Blood supply, & Clinical aspect (Sharing - General Medicine) (Alighnment-Physiology)	**AN63.1 Describe parts, boundaries & features of IIIrd, IVth & lateral ventricle** Lateral Ventricle & IIIrd Ventricle (Alighnment- Physiology)	**AN62.5 Describe boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus** Diencephalon-I, Division, sub-division, Thalamus, Meta thalamus, Sub-Thalamus,Epithalamus (Sharing - General Medicine) (Alighnment-Physiology)
11 - 01pm	**AN61.1 Identify external & internal features of midbrain AN61.2 Identify internal features of midbrain at the level of superior & inferior colliculus AN61.3 Identify anatomical basis & effects of Benedikt's and Weber's syndrome** Demonstration of Mid Brain (Batch A & B)	**AN62.4 Enumerate parts & major connections of basal ganglia & limbic lobe** Demonstration of Basal Ganglion (Batch A & B)	**AN60.2 Describe connections of cerebellar cortex and intracerebellar nuclei** - Demonstration Cerebellum II (Batch A & B)	**AN56.2 Describe circulation of CSF with its applied anatomy** Demonstration of IV th Ventricle, circulation of CSF (Batch A & B)	**AN63.1 Demonstrate parts, boundaries & features of IIIrd, IVth & lateral ventricle** .Demonstration of Lateral Ventricle & IIIrd Ventricle (Batch A & B)	**AN62.5 Demonstration of boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus** Demonstration of Brain (Batch A & B)
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch

02 - 03pm	EMG (P) **(PY 5.14)** Autonomic function test-P (PY 5.14) **BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance** Calculattion of creatinine clrearance test (B)	EMG (P) **(PY 5.14)** Autonomic function test-P **BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance** Calculattion of creatinine clrearance test (B)	Nerve conduction study ERG **BI11.22 Calculate albumin: globulin (AG) ratio and creatinine clearance** Calculation of Albumin, Globuline Ratio (B)	**ECE** Serebral Palsy	**Practical/LEC** **PY11.5** **Describe and discuss physiological consequences of sedentary Lifestyle** Sedentary lifestyle	**Tutorial/LEC** **PY11.6** **Describe physiology of Infancy** Physiology of Infancy (VI- Pediatrics)
03 - 04pm				**Lecturen** Metabolism in Starvation (B)	**Lecture** **BI8.3 Provide dietary advice for optimal health in childhood and adult, in disease conditions like diabetes mellitus, coronary artery disease and in pregnancy.** **BI8.4 Describe the causes (including dietary habits), effects and health risks associated with being overweight/ obesity.** Diet plan in different diseases like diabetes mellitus, coronary artery disease and in pregnancy. (B) (VI- general Medicine, Pathology) (B)	Community Medicine Practical/**SGD**/AETCOM **Signature of Journals**
04 - 05pm	CM7.6Enumerate and evaluate the need of screening tests(VI- GeneraL medicine)	**SDL** Organ Function Test (B)	**SDL** Mechanism of speech	**ECE** Assesment of the abnormalities of Kidney, liver , thyroid & adrenal glands. (VI- Pathology, General Medicine) (B)	**SDL - Base of Brain (Anatomy)**	

Day	*Monday*	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Saturday*
Date/Time	*13.07.2020*	*14.07.2020*	*15.07.2020*	*16.07.2020*	*17.07.2020*	*18.07.2020*
09-10am	**PY11.7 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	**PY11.12 Discuss the physiological effects of meditation** Yoga & meditation - 1	**PY11.12 Discuss the physiological effects of meditation** Yoga & meditation - 2	**BI7.6 Describe the anti-oxidant defence systems in the body. 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)	**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)
10 - 11am	**AN62.5 Describe boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus** Diencephalon-II, Hypothalamus, features, division, & Clinical correlation (Sharing - General Medicine) (Alighnment- Physiology)	**Basal Ganglion AN62.4 Enumerate parts & major connections of basal ganglia & limbic lobe AN63.1 Describe & demonstrate parts, boundaries & features of IIIrd, IVth & lateral ventricle** Limbic system (Alighnment- Physiology)	**AN62.4 Enumerate parts & major connections of basal ganglia & limbic lobe** Limbic System (Allignment - Physiology)			

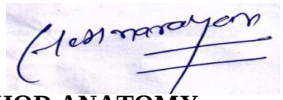
11 - 01pm	**AN62.5 Demonstration of boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus** Demonstration of Diencephalon-II, (Batch A & B)	**AN63.1 Demonstrate parts, boundaries & features of IIIrd, IVth & lateral ventricle** Demonstration of Ventricular System of Brain (Batch A & B)	**AN63.1 Demonstrate parts, boundaries & features of IIIrd, IVth & lateral ventricle** Demonstration of Limbic System (Batch A & B)			
01 - 02pm	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
02 - 03pm				**ECE** Infertility	**Practical/Demenstration** BMR	SGD/Tutorial Glucagon

03 - 04pm	Nerve conduction study ERG (PY 10.19) **BI11.22 Calculate albumin: globulin (AG) ratio and creatinine clearance** Calculation of Albumin, Globuline Ratio (B)	Nerve conduction study ERG (PY 10.19) **BI11.22 Calculate albumin: globulin (AG) ratio and creatinine clearance** Calculation of Albumin, Globuline Ratio (B)	**Revision**	**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)	CM Copletion and Signature of Journals/Term copletion Exam
04 - 05pm	CM7.5Enumerate, define, describe and discuss epidemiological study designs(VI- GeneraL medicine)	**SGD** Cardiac Function Test (B)	**SDL** Urine formation	**ECE Acid base imbalance (VI- General Medicne) (B)**	**SDL - Gyri & Sulci (Anatomy)**	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date/Time	20.07.2020	21.07.2020	22.07.2020	23.07.2020	24.07.2020	25.07.2020
09-10am	**20.7.2020 to 29.7.2020 Pre University Exam.**					
10 - 11am						
11 - 01pm						
01 - 02pm						
02 - 03pm						
03 - 04pm						

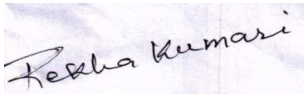
04 - 05pm	

Day	Monday	Tuesday	Wednesday	Thursday	Friday	
Date/Time	27.07.2020	28.07.2020	29.07.2020	30.07.2020	31.07.2020	
09-10am	**20.7.2020 to 29.7.2020 Pre University Exam.**					
10 - 11am						
11 - 01pm						
01 - 02pm						
02 - 03pm						
03 - 04pm						
04 - 05pm						

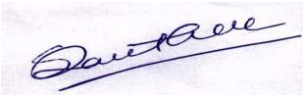


HOD ANATOMY

HOD PHYSIOLOGY



HOD BIOCHEMISTRY



HOD COMMUNITY MEDICINE