Maulana Azad Medical College, New Delhi
MBBS Batch 2019-20

ANATOMY	PHYSIOLOGY	BIOCHEMISTRY	HORIZONTAL INTEGRATION	VERTICAL INTEGRATION	AETCOM	PSM	SPORTS

	Monday 2.9.19	Tuesday 3.9.19	Wednesday 4.9.19	Thursday 5.9.19	Friday 6.9.19	Saturday 7.9.19
8-9 AM	L-1 Anatomical terminology AN1.1 Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body	Lec- Gen histology Four basic tissues of body & Epithelium I AN65.1 Identify epithelium under the microscope & describe the various types that correlate to its function AN65.2 Describe the ultrastructure basement membrane and cell junctions	PY1.3 Describe intercellular communication (VI-Pathology)	PY1.5 Describe and discuss transport mechanisms across cell membranes.	L-5 General features of Muscle AN3.1 Classify muscle tissue according to structure & action AN3.2 Enumerate parts of skeletal muscle and differentiate between tendon & aponeurosis with example AN3.3 Explain Shunt and spurt muscles	BI 6.2: Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the associated derangement's.

9-10AM	Lec Demo AN 0 - Cell	L-2 Anatomical terminology AN1.2 Describe composition of bone and bone marrow	BI 6.2: Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the associated derangement's.	L-4 General features of bones & joint-II AN2.5 Describe various joints with subtypes and examples AN2.6 Explain the concept of nerve supply of joints & Hilton's law	PY1.7 Describe the concept of pH & Buffer systems in the body (HI-Biochemistry)	Demo: Muscle AN3.1-3.3

10-11AM	Demo: Anatomical Terminology AN1.1	Demo: AN1.1 Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body AN1.2 Describe composition of bone and bone marrow	L-3 General features of bones & joint-I AN2.1 Describe parts, blood and nerve supply of a long bone AN2.2 Enumerate laws of ossification AN2.3 Enumerate special features of a sesamoid bone AN2.4 Describe various types of cartilage with its structure & distribution in body	Demo-Joints AN2.5-2.6	SGD BI 6.3: Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders. **(Vertical integration with medicine/anesthesia ICU)**	PY1.6 Describe the fluid compartments of the body, its ionic composition & measurement
11-12 AM	PY1.1 Describe the structure and functions of a mammalian cell	PY1.2 Describe and discuss the principles of homeostasis	Demo: Bone: Batch B&C AN2.1-2.6 Batch A Histology AN65.1-65.2	Demo: Bone: Batch A&C AN2.1-2.6 Batch B Histology AN65.1-65.2 Demo: Bone: Batch A&C	Experimental lab-Batch A2 Study of Instruments PY 3.18 Haematology lab-Batch A1 Study of Instruments PY 2.11	Experimental lab-Batch B2 Study of Instruments PY 3.18 Haematology lab-Batch B1 Study of Instruments PY 2.11

				AN2.1-2.6 Batch B Histology AN65.1-65.2	BI 11.1- BATCH B2 Describe commonly used laboratory apparatus and equipments, good safe laboratory practice and waste disposal.	BI 11.1- BATCH A2 Describe commonly used laboratory apparatus and equipments , good safe laboratory practice and waste disposal.
12-1	BI 1.1: Describe the molecular and functional organization of a cell and its subcellular components.	AETCOM Cadaver as teacher			SGD: BATCH B1	SGD: BATCH A1
2-4 PM	PSM 1.1. Define and describe the concept of public health 1.2. Define Health, describe the concept of holistic health including concept of	Experimental	Experimental lab-	Small group discussion/ Tutorial/ Integrated learning/ Self-directed learning/ Early clinical	Demo GA batch A&B AN2.1-2.6 Batch C Histology AN65.1-65.2	

	spiritual health and relativeness and determinants of health PSM1.1-1.2	lab-Batch A1 Study of Instruments PY 3.18 Haematology lab-Batch A2 Study of Instruments PY-2.11	Batch B1 Study of Instruments PY 3.18 Haematology lab-Batch B2 Study of Instruments PY-2.11	exposure		
		BI 11.1 BATCHB1 Describe commonly used laboratory apparatus and equipment's, good safe laboratory practice and waste disposal. BI BATCH B2 SGD	BI 11.1 BATCH A1 Describe commonly used laboratory apparatus and equipment's, good safe laboratory practice and waste disposal. BI: BATCH A2 SGD			

Time/ Day	**Monday 9.9.19**	**Tuesday 10.9.19**	**Wednesday 11.9.19**	**Thursday 12.9.19**	**Friday 13.9.19**	**Saturday 14.9.19**
8-9AM	Lec: Gen Histology Epithelium II AN65.1b Identify epithelium under the microscope &	**Holiday**	PY1.8.2 Describe and discuss the molecular basis of resting membrane potential and action potential in excitable tissue	PY1.9 Demonstrate the ability to describe and discuss the methods used to demonstrate the functions of the cells and its	L-8 General features of the cardiovascular system AN5.1 Differentiate between blood vascular and lymphatic system	L-4.1 BI5.2 Describe and discuss structure and organization of protein with reference to myoglobin,

	describe the various types that correlate to its function AN65.2b Describe the ultrastructure of epithelium			products, its communications and their applications in Clinical care and research.	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	hemoglobin and collagen along with associated disorders of defective formation of proteins.

9-10AM	Demo: Bone,Joint & Muscle AN 2.1-3.3 Demo Bone, Joint &		L-3.2 BI 5.1 Describe amino acid structure, classification and biological importance of amino acid, peptide and protein	L-7 : Skin & Fascia II AN4.3 Describe superficial fascia along with fat distribution in body AN4.4 Describe modifications of deep fascia with its functions AN4.5 Explain principles of skin incisions	PY1.4 Describe apoptosis – programmed cell death PY11.7 Describe and discuss physiology of aging; free radicals and antioxidants	L-9 Gen. features of the cardiovascular system-II AN5.5 Describe portal system giving examples AN5.6 Describe the concept of anastomoses and collateral circulation with significance of end-arteries AN5.7 Explain function of meta-arterioles, precapillary sphincters, arterio-venous anastomoses AN5.8 Define thrombosis, infarction and aneurysm

10-11AM	Muscle AN 2.1-3.3		L-6 :Skin & Fascia I AN4.1 Describe different types of skin & dermatomes in body AN4.2 Describe structure & function of skin with its appendages	Lec: General embryology I AN76.1 Describe the stages of human life AN76.2 Explain the terms- phylogeny, ontogeny, trimester, viability 77.3 Describe spermatogenesis and oogenesis along with diagrams	BI 5.2- SGD: Describe and discuss structure and organization of protein with reference to myoglobin, hemoglobin and collagen along with associated disorders of defective formation of proteins.	PY 3.1 Describe the structure and functions of a neuron and neuroglia, Discuss Nerve Growth Factor & other growth factors/cytokines (HI-Anatomy)
11-12PM	PY1.8.1 Describe and discuss the molecular basis of resting membrane potential and action potential in excitable tissue	**Holiday (Muharram)**	Demo- Skin & Fascia (B&C) AN4.1 -4.5 Practical Histology – A Epithelium II AN65.1b-65.2b	Demo- Skin & Fascia (A&C) AN4.1 -4.5 Practical Histology – B Epithelium II AN65.1b-65.2b	Experimental lab-Batch A2 Study of student physiograph Electrical circuits for amphibian experiments and nerve-muscle preparation PY3.18 Haematology lab-Batch A1 Collection of blood sample	Experimental lab-Batch B2 Study of student physiograph Electrical circuits for amphibian experiments and nerve-muscle preparation PY3.18 Haematology lab-Batch B1 Collection of blood sample

12-1PM	L-3.1 BI 5.1 Describe amino acid structure, classification and biological importance of amino acid, peptide and protein		Demo- Skin & Fascia (B&C) AN4.1 -4.5 Practical Histology – A Epithelium II AN65.1b-65.2b	Demo- Skin & Fascia(A&C) AN4.1 -4.5 Practical Histology – B Epithelium II AN65.1b-65.2b	PY 2.11 BI 11.2: Batch B 2 Describe the preparation of buffers and estimation of pH Batch B1 SELF DIRECTED LEARNING: with FA	PY 2.11 BI 11.2: Batch A2 Describe the preparation of buffers and estimation of pH Batch A1 SELF DIRECTED LEARNING with FA

2-3PM	SPORTS		Experimental lab- Batch B1 Study of student physiograph Electrical circuits for amphibian experiments and nerve-muscle preparation PY 3.18 Haematology lab- Batch B2 Collection of blood sample PY 2.11 BI 11.2 : Batch A1 Describe the preparation of buffers and estimation of pH	Small group discussion - PBL of General Physiology	Demo- Skin & Fascia (A&B) AN4.1-4.5 Practical Histology - C Epithelium II AN65.1b-65.2b	

3-4PM			Batch A1 SELF DIRECTED LEARNING with FA		Demo- Skin & Fascia (A&B) AN4.1-4.5 Practical Histology - C Epithelium II AN65.1b-65.2b	

Time/ Day	**Monday 16.9.19**	**Tuesday 17.9.19**	**Wednesday 18.9.19**	**Thursday 19.9.19**	**Friday 20.9.19**	**Saturday 21.9.19**
8-9AM	L- 10 General Features of lymphatic system	L-11 Introduction to the nervous system- I AN7.1 Describe	PY 3.3.1 Describe the degeneration and regeneration in	PY2.2. Discuss the origin, forms, variations and functions of plasma	Lec-1: Introduction to Upper limb & Pectoral region – I AN9. 1	BI 2.5 Discuss use of enzymes in laboratory investigations Se

	AN6.1 List the components and functions of the lymphatic system AN6.2 Describe structure of lymph capillaries & mechanism of lymph circulation AN6.3 Explain the concept of lymphoedema and spread of tumors via lymphatics and venous system	general plan of nervous system with components of central 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	peripheral nerves (VI-Medicine)	proteins(HI-Biochem)	Describe attachment, nerve supply & action of pectoralis major & pectoralis minor	(Enzyme-based assays) and Interpret laboratory results of enzyme activities as biomarkers markers in common pathological conditions

9-10AM	Demo: CVS & Lymphatic System AN5.1-5.8 & 6.1-6.3	Demo: CNS AN7.1-7.3	L5.2 B2.2 Describe and explain the basic mechanism of enzyme activity and its regulation along with enzyme kinetics	Gen embryology II AN 77.1 Describe the uterine changes occurring during the menstrual cycle AN 77.2 Describe the synchrony between the ovarian and menstrual cycles AN77.4 Describe the stages and consequences of fertilisation	PY 3.3.2 Describe the degeneration and regeneration in peripheral nerves (VI-Medicine)	Diss: Pectoral region & prosections AN9. 1 Describe attachment, nerve supply & action of pectoralis major & Pectoralis minor

10-11AM	Demo AN5.1-5.8 & 6.1-6.3	Demo: CNS AN7.1-7.3	L-12 Nervous system-II AN7.4 Describe structure of a typical spinal nerve AN7.5 Describe principles of sensory and motor innervation of muscles AN7.6 Describe concept of loss of innervation of a muscle with its applied anatomy AN7.7 Describe various type of synapse AN7.8 Describe differences between sympathetic and spinal ganglia	Formative Assessment	SGD BI 2.3: Describe and discuss as substances/chemicals in enzyme inhibition and describe the therapeutic use of enzymes SGD BI 2.4 Describe and discuss the clinical utility of various serum enzymes as Biochemical markers of common pathological conditions	PY2.3. Describe and discuss the synthesis, functions of Hb, its breakdown. Describe variants of Haemoglobin (HI-Biochem)

11-12PM	PY 3.2 Describe the types, functions & properties of nerve fibers	PY2.1. Describe the composition and function of blood components	Demo Nervous System -II AN7.4-7.8		Experimental lab- Batch A2 Recording of a simple muscle twitch PY 3.18 Haematology lab- Batch A1 Estimation of Hemoglobin PY 2.11 Small group discussion- B1 and B2 Osmotic fragility and specific gravity of blood PY 2.12	Experimental lab- Batch B2 Recording of a simple muscle twitch PY 3.18 Haematology lab- Batch B1 Estimation of Hemoglobin PY 2.11 Small group discussion- A1 and A2 Osmotic fragility and specific gravity of blood PY 2.12
12-1PM	L5.1 BI 2.1: Explain fundamental concepts of enzyme structure and function. Enumerate the main classes of IUBMB nomenclature	AETCOM	Demo Nervous System -II AN7.4-7.8			

2-3PM	PSM 1.3. Describe the characteristics of agent, host, environmental factors in health and disease and multifactorial etiology of disease	Experimental lab- Batch A1 Study of student physiograph Electrical circuits for amphibian experiments and nerve-muscle preparation PY3.18	Experimental lab- Batch B1 Recording of a simple muscle twitch PY3.18 Haematology lab- Batch B2 Estimation of Hemoglobin	Small group discussion/ - RBC indices PY 2.11	Diss: Pectoral region & prosections AN9. 1 Describe attachment, nerve supply & action of pectoralis major & Pectoralis minor	

3-4PM	PSM 1.3. Describe the characteristics of agent, host, environmental factors in health and disease and multifactorial etiology of disease	Recording of a simple muscle twitch PY3.18 Haematology lab- Batch A2 Collection of blood sample Estimation of Hemoglobin PY 2.11 BI 11.2: Batch B 1 Describe the preparation of buffers and estimation of pH \ Batch B2 SELF DIRECTED LEARNING: with FA	PY 2.11 BI 11.3 Batch A1 Describe the chemical components of normal urine Batch A2 SGD WITH FA		Diss: Pectoral region & prosections AN9. 1 Describe attachment, nerve supply & action of pectoralis major & Pectoralis minor	

TIME	23.09.2019 Monday	24.09.2019 Tuesday	25.09.2019 Wednesday	26.09.2019 Thursday	27.09.2019 Friday	28.09.2019 Saturday
08-09 AM	Lec Histo: Glands AN70.1 Identify exocrine gland under the microscope & distinguish between serous, mucous and mixed acini	Lect: Pectoral region- III (Mammary gland) AN9.2. Breast: Describe The location, extent, deep Relations, structure,age changes, blood supply lymphatic drainage, microanatomy And applied anatomy of Breast AN9.3 Describe development of breast	PY2.5.1. Descrbe the different types of Anaemia & jaundice. (HI-Bioch,VI-) Path)	PY 3.7 Describe the different types of muscle fibres and their structure	Lect: Axilla - II (Brachial plexus) 10.2 Identify, describe, and demonstrate the origin, extent, course, and parts relations branches of axillary artery and tributaries of vein AN10.3 Describe, identify demonstrate formation, branches, relations area of supply of branches course and relations of terminal branches of brachial plexuses	BI 3.1 Describe and Discuss about different monosaccharides, di-saccharides, polysaccharides and enumerate different isomers of carbohydrate giving examples of Biological significant carbohydrates in each group

09-10 AM	Lect: Pectoral region- II AN 9.1	Diss: Pectoral region AN9.2. 1 Breast: Describe the location, extent, deep relations, structure, age changes, blood supply lymphatic drainage, microanatomy and applied anatomy of breast	BI 2.4: SGD Describe and discuss the clinical utility of various serum enzymes as Biochemical markers of common pathological conditions	Lec: Gen Embryo IV AN78.1Describe cleavage and formation of blastocyst AN78.2 Describe the development of trophoblast AN78.3 Describe the process of implantation & common abnormal sites of implantation AN78.4 Describe the formation of extra-embryonic mesoderm and coelom, bilaminar disc and prochordal plate AN78.5 Describe in brief abortion; decidual reaction, pregnancy test	PY2.5.2. Describe different types of Anaemia and jaundice. (HI-Bioch,VI-Pathology)	Diss: Axilla 10.2 Identify,describeanddemonstratetheorigin, extent,course,parts, relationsandbranchesofaxillaryartery&tributariesofvein 10.3 Describe,identify and demonstrate formation,branches,relations,area of supply of branches,course and relations of terminal branches of brachial plexus

10-11 AM	Demo: Humerus, Scapula and Clavicle AN8.1 Identify the given bone, its side, important features & keep it in anatomical Position AN 8. 2 Identify & describe joints formed by the given bone AN8.4 Demonstrate important muscle attachment on the given bone AN8.3 Enumerate peculiarities of clavicle		Lect: Axilla - I (Walls & contents) AN10.1 Identify & describe boundaries and contents of axilla	**LINKER SESSION**	SGD BI 2.5: Discuss use of enzymes in laboratory investigations (Enzyme-based assays) and Interpret laboratory results of enzyme activities as biomarkers markers in common pathological conditions	PY3.8: Describe action potential and its properties in different muscle types (skeletal and, smooth muscle) (HI-Anatomy)

11-12PM	PY2.4. Describe RBC function, erythropoiesis and its regulation	PY 3.4: Describe the structure of neuro-muscular junction and transmission of impulses PY 3.5:, Discuss the action of neuro-muscular blocking agents PY 3.6: Describe the pathophysiology of Myasthenia gravis (ECE)	Batch- A :Histo Batch B & C: Diss Scapular region	Batch- B :Histo Batch A & C: Diss Axilla	Experimental lab- Batch A2 Effect of temperature on SMT PY 3.18 Haematology lab- Batch A1 Estimation of Hemoglobin (Revision) PY 2.11 BI Batch B2 11.3 Describe the chemical components of normal urine. Batch B1 SGD WITH FA	Experimental lab- Batch B2 Effect of temperature on SMT PY 3.18 Haematology lab- Batch B1 Estimation of Hemoglobin (Revision) PY 2.11 BI BatchA2 11.3 Describe the chemical components of normal urine. Batch A1 SGD WITH FA

12-1 PM	L BI 2.3 Describe and discuss as substances/chemicals in enzyme inhibition and describe the therapeutic use of enzymes	AETCOM				
02-4PM	Sports	Experimental lab- Batch A1 Effect of temperature on SMT PY 3.18 Haematology lab- Batch A2 Estimation of Hemoglobin (Revision) PY 2.11 BI 11.3 :Batch B1 Describe the chemical components of normal urine. Batch B2 SGD WITH FA	Experimental lab- Batch B1 Effect of temperature on SMT PY 3.18 Haematology lab- Batch B2 Estimation of Hemoglobin (Revision) PY 2.11 BI 11.4 and 11.20 Batch A1 11.4 Perform urine analysis to detect abnormal constituents 11.20: Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states. Batch A2 SGD	Small group discussion- Determination of ESR, PCV PY 2.12	Batch- C :Histo Batch A & B: Diss Axilla AN10.2 Identify,describe and demonstratetheorigin,extent,course,parts, relations and branches of axillary artery & tributaries of vein AN10.3 Describe,identify and demonstrateformation, branches, relations ,area of supply of branches, course and relations of terminal branches of brachial plexus	

TIME	30.09.2019 Monday	01.10.2019 Tuesday	2.10.2019 Wednesday	03.10.2019 Thursday	04.10.2019 Friday	05.10.2019 Saturday
08-09 AM	Lec Histo: Connective Tissue AN66.1 Describe & identify various types of connective tissue with functional Correlation AN66.2 Describe the ultrastructure of connective tissue	Lec: Back & Scapular region AN10.9 Describe the arterial anastomosis around the scapula and mention the boundaries of angle of auscultation	**HOLIDAY**	PY.2.7. Describe formation of platelets, functions and variations.	Lect: Arm : Anterior Compartment AN11.1 Describe and demonstrate muscle groups of upper arm with emphasis on biceps and triceps brachii AN11.2 Identify & describe origin, course, relations, branches (or tributaries),termination of important nerves and vessels in arm AN11.3 Describe the anatomical basis of Vene puncture of cubital veins AN11.5 Identify & describe boundaries and contents of cubital fossa	L B3.4: Define and describe the pathways of carbohydrate metabolism Namely glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt, TCA cycle and minor pathway of carbohydrate metabolism eg Uronic acid metabolism, Fructose metabolism and galactose metabolism

09-10 AM	Lec: Axilla III AN10.4 Describe the anatomical groups of axillary lymph nodes and specify their areas of drainage			Lec: Gen Embryo V AN79.1 Describe the formation & fate of the primitive streak AN70.2 Describe formation & fate of notochord AN79.3 Describe the process of neurulation AN79.4 Describe the development of somites and intra-embryonic coelom AN79.5 Explain embryological basis of congenital malformations, nucleus pulposus, sacrococcygeal teratomas, neural tube defects	PY 3.10 Describe the mode of muscle contraction (isometric and isotonic)	Diss: Arm : Anterior Compartment & Demo: Radius & Ulna, Articulated hand AN11.1.1 Describe and demonstrate muscle groups of upper arm with emphasis on biceps and triceps brachii AN11.2.1 Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels in arm AN11.3.1 Describe the anatomical basis of Venepuncture of cubital veins AN11.5.1 Identify & describe boundaries and contents of cubital fossa
10-11 AM	Demo: Scapula – Particular features AN8.1 & AN8.2	boundaries of triangle of auscultation		Interactive session	L BI 3.3: Describe and discuss the digestion and assimilation of carbohydrates along with the transport across membrane	PY2.8.1 Describe physiological basis of haemostasis. Describe bleeding and clotting disorders.

						Describe the physiological role of anticoagulants.(VI-Path)
11-12 PM	PY 3.9 Describe the molecular basis of muscle contraction in skeletal and in smooth muscles	PY2.6. Describe WBC formation and regulation		Batch- B :Histo Batch A & C: Diss: Scapular region AN10.9	Experimental lab- Batch A2 Effect of two successive stimuli on SMT PY 3.18 Haematology lab- Batch A1 Estimation of Total RBC count PY 2.11 BI 11.4 and 11.20 Batch B2 11.4 Perform urine analysis to detect abnormal constituents 11.20: Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states. Batch B1 SGD With FA	Experimental lab- Batch B2 Effect of temperature on SMT PY 3.18 Haematology lab- Batch B1 Estimation of Total RBC count PY 2.11 BI 11.4 and 11.20 11.4 Perform urine analysis to detect abnormal constituents 11.20: Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states. BI Batch A1 SGD With FA

12-1PM	L BI 3.2: Describe the function of carbohydrate as energy fuel, structural element and storage in the human body.	AETCOM				

02-4PM	PSM:1.4. Describe and discuss the natural history of disease 1.5. Describe the application of interventions at various levels of prevention	Experimental lab- Batch A1 Effect of two successive stimuli on SMT PY 3.18 Haematology lab- Batch A2 Estimation of Total RBC count PY 2.11 BI 11.4 and 11.20 Batch 11.4 Perform urine analysis to detect abnormal constituents 11.20: Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states. Batch B2 SGD With FA		Small group discussion/ Tutorial/ Integrated learning/ Self directed learning/ Early clinical exposure	Batch- C :Histo Batch A & B: Diss Scapular region	
TIME	**07.10.2019 Monday**	**08.10.2019 Tuesday**	**09.10.2019 Wednesday**	**10.10.2019 Thursday**	**11.10.2019 Friday**	**12.10.2019 Saturday**

08-09 AM	Lec: Histo: Cartilage AN71.2 Identify cartilage under the microscope & describe various types and structure-function correlation of the same	**HOLIDAY**	PY2.10.1. Define and classify different types of immunity. Describe the development of immunity and its regulation.	PY 3.12 and Explain the gradation of muscular activity , PY3.13 Describe muscular dystrophy: myopathies (VI-Medicine)	Lec: Forearm : Posterior compartment AN12.11, AN12.12	L BI 3.4 Define and describe the pathways of carbohydrate metabolism Namely glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt, TCA cycle and minor pathway of carbohydrate metabolism egUronic acid metabolism, Fructose metabolism and galactose metabolism

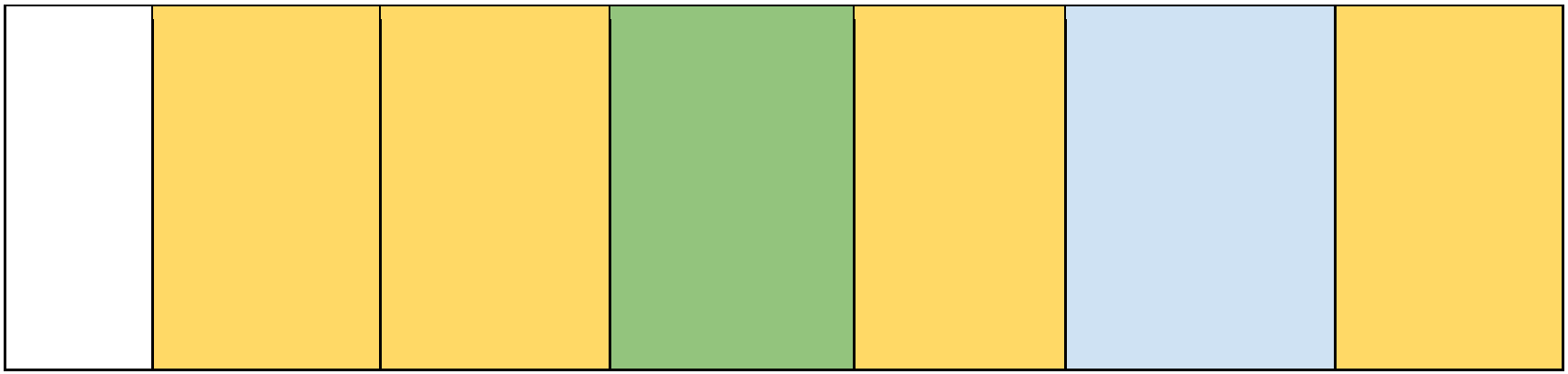
09-10 AM	Lec: Forearm : Anterior Compartment - I AN12.1 Describe and Demonstrate important muscle groups of Ventral forearm with attachments, nerve supply and actions		L BI 3.4 Define and describe the pathways of carbohydrate metabolism Namely glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt, TCA cycle and minor pathway of carbohydrate metabolism egUronic acid metabolism, Fructose metabolism and galactose metabolism	Lec: Forearm : Anterior Compartment –II AN12.1 Describe and Demonstrate important muscle groups of Ventral forearm with attachments nerve supply and actions	PY2.10.2. Define and classify different types of immunity. Describe the development of immunity and its regulation.	Demo: Demonstration Radius and Ulna- Particular Features

10-11 AM	Identify & 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	Diss: Forearm : Anterior Compartment AN12.1, AN12.2 & AN12.3	Diss: Forearm : Anterior Compartment –II AN12.1 Describe and Demonstrate important muscle groups of Ventral forearm with attachments nerve supply and actions	L BI 3.4 Define and describe the pathways of carbohydrate metabolism Namely glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt, TCA cycle and minor pathway of carbohydrate metabolism egUronic acid metabolism, Fructose metabolism and galactose metabolism	PY 3.11: Explain energy source and muscle metabolism (HI-Biochemistry)
11-12 PM	PY2.8.2 Describe physiological basis of haemostasis. Describe bleeding and clotting disorders. Describe the physiological role of anticoagulants.(VI-Path)	Histo: Batch A, Diss: Batch B & C - Anterior compartment forearm AN12.1, AN12.2 & AN12.3	Batch- B :Histo Batch A & C: Diss: Anterior compartment Forearm AN12.1, AN12.2 & AN12.3	Experimental lab- Batch A2 Effect of two successive stimuli on SMT (Revision) PY 3.18 Haematology lab- Batch A1 Estimation of Total RBC count (Revision) PY 2.11	Experimental lab- Batch B2 Effect of two successive stimuli on SMT (Revision) PY 3.18 Haematology lab- Batch B1 Estimation of Total RBC count (Revision) PY 2.11

					BI 11.5 Batch B2 11.6 Describe the principles of colorimetry/spectrophotometer 11.18 Discuss the principles of spectrophotometry. Batch B1 SGD	BI 11.6 and 11.18 Batch A2 11.6 Describe the principles of colorimetry/spectrophotometer 11.18 Discuss the principles of spectrophotometry. Batch A1 SGD
12-1PM	L BI 3.4 Define and describe the pathways of carbohydrate metabolism Namely glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt, TCA cycle and minor pathway of carbohydrate metabolism egUronic acid metabolism, Fructose metabolism and galactose metabolism		Histo: Batch A, Diss: Batch B & C - Anterior compartment forearm AN12.1, AN12.2 & AN12.3	Batch- B :Histo Batch A & C: Diss: Anterior compartment Forearm AN12.1, AN12.2 & AN12.3		

02-4PM	Sports	Experimental lab-Batch B1 Effect of two successive stimuli on SMT PY 3.18 Haematology lab-Batch B2 Estimation of Total RBC count PY 2.11 BI 11.6 AND 11.18 Batch A1 11.6 Describe the principles of colorimetry/spectrophotometer 11.18 Discuss the principles of spectrophotometry. Batch A2 SGD	Small group discussion/ Computer assisted learning methods for nerve muscle experiments PY3.18	Histo Batch: C Diss: Posterior Compartment-Batch A & B	

TIME	14.10.2019 Monday	15.10.2019 Tuesday	16.10.2019 Wednesday	17.10.2019 Thursday	18.10.2019 Friday	19.10.2019 Saturday
08-09 AM	Lec: Histo: Bone AN71.1 Identify bone under the microscope; classify various types and describe the structure-function correlation of the same	Lec : Palm-II AN12.6 Describe & demonstrate movements of thumb and muscles involved AN 12.9 Identify & describe fibrous flexor sheaths, ulnar bursa, radial bursa and digital synovial sheaths	PY5.2.2: Describe the properties of cardiac muscle including its morphology, electrical, mechanical and metabolic functions.	PY 6.2.1 Describe the mechanics of normal respiration and describe the pressure changes during ventilation	Lect: Nerve Injuries of upper limb AN10.6 Explain the anatomical basis of clinical features of Erb's palsy and Klumpke's paralysis	L BI 3.8 Discuss the mechanism and significance of regulation of blood glucose and fructose in health and disease.
09-10 AM	Lec : Palm-I AN 12.5 Identify & describe small muscles of hand. Also describe movements of thumb and muscles involved AN12.6 Describe & demonstrate movements of thumb and muscles involved AN 12.7 Identify & describe course and branches of important blood vessels and nerves in hand	Diss: Palm AN12.5, AN12.6 & AN12.7	L BI 3.6 Describe and discuss the biochemical processes involve in generation of energy in cells, biological oxidation and Electron transport chain along with the inhibitors and uncouplers of ETC	Lec: Gen Embryo Birth defects	PY 3.17: Describe strength-duration curve)	Lec: Small joints of Upper limb AN13.3 Identify & 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



10-11 AM	Demo: Articulated hand-II	Diss: Palm AN12.5, AN12.6 & AN12.7	Diss: Palm AN12.5, AN12.6 & AN12.7	Interactive session	L BI 3.7 Describe the common substances/chemicals that inhibit crucial enzymes of carbohydrate metabolism (eg; fluoride, arsenate)	PY 6.2.2 Discuss in detail the Lung volumes and capacities

11-12 PM	PY5.2.1: Describe the properties of cardiac muscle including its morphology, electrical, mechanical and metabolic functions.	PY 6.1 Describe the functional anatomy of Respiratory tract	Diss: Palm/SDL Batch B Batch- A :Histo & Batch C: Embryo Pract	Diss: Palm/SDL: Batch C & Batch A Embryo Pract& Batch- B :Histo	Experimental lab- Batch A2 Effect of increasing strength of stimuli on SMT PY 3.18 Haematology lab- Batch A1 Estimation of Total WBC count PY 2.11 ECE Visit to blood bank- Batch B1 , B2 PY 2.9	Experimental lab-Batch B2 Effect of increasing strength of stimuli on SMT PY 3.18 Haematology lab-Batch B1 Estimation of Total WBC count PY 2.11 ECE Visit to blood bank- Batch A1 , A2 PY 2.9

12-1 PM	L BI 3.5 Describe and discuss the regulation and integration of carbohydrate and amphibolic pathways with reference to associated diseases/disorders.	**AETCOM**				
02-4PM	PSM 1.6. Describe and discuss the concepts, the principles of health promotion and education, IEC and Behavioral Change Communication (BCC)	Experimental lab-Batch A1 Effect of increasing strength of stimuli on SMT PY 3.18 Haematology lab-Batch A2 Estimation of Total WBC count PY 2.11 BI 11.6 and 11.18 Batch B1 11.6 Describe the principles of colorimetry/spectrophotometer 11.18 Discuss the principles of spectrophotometry. Batch B2 SGD	Experimental lab-Batch B1 Effect of increasing strength of stimuli on SMT PY 3.18 Haematology lab-Batch B2 Estimation of Total WBC count PY 2.11 BI: 11.8 and 11.22 Batch A1 11.8: Demonstrate estimation of serum proteins, albumin and A:G ratio 11.22: Calculate albumin: globulin (AG) ratio Batch A2 SGD	Small group discussion Computer assissted learning methods for nerve muscle experiments PY3.18	Diss: Palm/SDL Batch A & Batch- C :Histo & Batch B Embryo Practical	

TIME	21.10.2019 Monday	22.10.2019 Tuesday	23.10.2019 Wednesday	24.10.2019 Thursday	25.10.2019 Friday	26.10.2019 Saturday
08-09 AM	Lect: Blood vessels of Upper limb AN13.1 Describe and explain Fascia o upper limb and compartments, veins of upper li its lymphatic drainage	Lect: Lymphatics of Upper limb	PY 6.2.4 : Discuss airway resistance, V/P ratio, diffusion capacity of lungs.	PY 5.2 – Describe the properties of cardiac muscle including its morphology, electrical, mechanical and metabolic functions	Lec: introduction & Thoracic wall-I AN21.3 Describe & demonstrate the boundaries of thoracic inlet, cavity and outlet AN21.4 Describe & demonstrate extent, attachments, direction of fibres, nerve supply and actions of intercostal muscles	L BI 4.2 Describe the processes involved in digestion and absorption of dietary lipids and key features of their metabolism (Fatty acid synthesis, beta oxidation and ketone body metabolism)

09-10 AM	Demo: small joints of Upper limb AN13.3.1 Identify & 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	Surface marking of Upper limb AN13.2 Describe dermatomes of upper limb AN13.5 Identify the bones and Joints of upper limb seen In anteroposterior and	L BI 4.1 Describe and discuss main classes of lipids (Essential/non-essential fatty acids, cholesterol and hormonal steroids, triglycerides, major phospholipids, sphingolipids and derived lipids) relevant to human system and their major	**Formative assesment**	PY 6.3- Describe and discuss the transport of respiratory gases: oxygen and carbon dioxide.	Lec: thoracic wall II(intercostals spaces) AN21.5 Describe & demonstrate origin, course, relations and branches of a typical intercostal Nerve AN21.6 Mention origin, course and branches/ tributaries of: 1)anterior & posterior intercostal vessels 2)internal thoracic vessels AN21.7 Mention the origin, course, relations and branches of:

						1)atypical intercostal nerve 2)superior intercostal artery, subcostal artery

10-11 AM		Radiologic anatomy of Upper limb	Lec: Development of Upper Limb AN13.8 Describe development of upper limb	**Formative assesment**	L BI 4.2 Describe the processes involved in digestion and absorption of dietary lipids and key features of their metabolism (Fatty acid synthesis, beta oxidation and ketone body metabolism)	PY 5.3.1 – Discuss the events occurring during cardiac cycle

11-12 PM	PY 6.2.3 Define and explain alveolar surface tension and compliance	PY 5.1 – Describe the functional anatomy of heart including chambers and sounds, pacemaker tissue and conducting system (HI-Anatomy)	Digital displayer: Prosections	**Formative assesment**	Experimental lab-Batch A2 Determination of conduction velocity in frog's sciatic nerve PY 3.18 Haematology lab-Batch A1 Estimation of Total WBC count (Revision) PY 2.11 BI: 11.8 and 11.22 Batch B2 11.8: Demonstrate	Experimental lab-BatchB2 Determination of conduction velocity in frog's sciatic nerve PY 3.18 Haematology lab-Batch B1 Estimation of Total WBC count (Revision) PY 2.11 BI: 11.8 and 11.22 Batch A2 11.8: Demonstrate estimation of serum proteins, albumin

12-1 PM	L BI 4.1 Describe and discuss main classes of lipids (Essential/non-essential fatty acids, cholesterol and hormonal steroids, triglycerides, major phospholipids, sphingolipids and derived lipids) relevant to human system and their major functions.	AETCOM			estimation of serum proteins, albumin and A:G ratio 11.22: Calculate albumin: globulin (AG) ratio Batch B1 SGD	and A:G ratio 11.22: Calculate albumin: globulin (AG) ratio Batch A1 SGD

02-4PM	Sports	Experimental lab-Batch A1 Determination of conduction velocity in frog's sciatic nerve PY 3.18 Haematology lab-Batch A2 Estimation of Total WBC count (Revision) PY 2.11 BI: 11.8 and 11.22 Batch B1 11.8: Demonstrate estimation of serum proteins, albumin and A:G ratio 11.22: Calculate albumin: globulin (AG) ratio Batch B2 SGD	Experimental lab-Batch B1 Determination of conduction velocity in frog's sciatic nerve PY 3.18 Haematology lab-Batch B2 Estimation of Total WBC count (Revision) PY 2.11 BI: 11.21A BATCH A1 Demonstrate estimation of glucosein serum. A2 SGD	Small group discussion/ Integrated learning/ -PBL Blood	Demo: landmarks of thorax, general and special features of sternum & typical rib. AN21.1 Identify and describe the salient features of sternum, typical rib,Ist rib and typical thoracic vertebra.	

Time/ Day	Monday 28/10/19	Tuesday 29/10/19	Wednesday 30/10/19	Thursday 31/10/19	Friday 1/11/19	Saturday 2/11/19
8-9 AM	Lec: Mediastinum AN21.11 Mention boundaries and contents of the superior, anterior, middle and posterior mediastinum	Lec: Histology- Lymphoid System & Lymph Node AN70.21 Identify the lymphoid tissue under the microscope & describe microanatomy of lymph node and correlate the structure with function	PY 5.4 – Describe generation and conduction of cardiac impulse	PY 6.6.2 Describe and discuss dyspnea, cyanosis, asphyxia, drowning, periodic breathing	Lec: Lung & pleura-I AN24.1 Mention the blood supply, lymphatic drainage and nerve supply of pleura,extent of pleura and describe the pleural recesses and their appliedanatomy AN24.2 Identify side, external features and relations of structures which form rootof lung & bronchial tree and their clinical correlate	L BI 4.4 Describe and discus cholesterol, biological importance of cholesterol, cholesterol metabolism with its regulation and associated disorders

9-10AM	Demo: typical and atypical ribs. AN21.1 AN21.2 Identify & describe the features of 2nd, 11th and 12th ribs, 1st, 11th and 12t thoracic vertebrae	Demo: typical thoracic vertebrae AN21.1	L BI 4.3 Describe and discus the structure and function of lipoprotein, their transport and metabolism with regulation and associated disorders namely atherosclerosis	Lec: embryo: Respiratory system AN25.2 Describe developmen t of pleura, lung& heart	PY 5.5 – Describe the physiology of electrocardiogram (ECG), its application and cardiac axis (VI-Medicine)	Demo: in situ thoracic viscera

10-11AM	Demo: thoracic wall & cavity AN21.3 Describe & demonstrate the boundaries of thoracic inlet, cavity and outlet AN21.4 Describe & demonstrate extent, attachments, direction of fibres, nervesupply and actions of intercostal muscles	Diss: intercostals spaces & contents. AN21.4 Describe & demonstrate extent, attachments, direction of fibres, nervesupply and actions of intercostal muscles AN21.5 Describe & demonstrate origin, course, relations and branches of a typicalintercostal nerve AN21.6 Mention origin, course and branches/ tributaries of 1)anterior & posterior intercostal vessels 2)internal thoracic vessels AN21.7 Mention the origin, course, relations and branches of: 1)atypical intercostal nerve 2)superior intercostal artery, subcostal artery	Lec: embryo-Body cavity and diaphragm AN52.5 Describe the development and congenital anomalies of diaphragm	Demo: atypical thoracic vertebra AN21.2 Identify & describe the features of 2nd, 11th and 12th ribs, 1st, 11th and 12ththoracic vertebrae	L BI 4.4 Describe and discus cholesterol, biological importance of cholesterol, cholesterol metabolism with its regulation and associated disorders	PY 6.4 and 6.5 Describe and discuss the physiology of high altitude

11-12PM	PY 5.3.2 – Discuss the events occurring during cardiac cycle 2	PY 6.6.1 Describe and discuss the pathophysiology of hypoxia.	Diss: Mediastinum in situ & thoracic wall AN21.11 Mention boundaries and contents of the superior, anterior, middle & posterior	Diss: Mediastinum in situ & thoracic wall AN21.11 Mention boundaries and contents of the superior, anterior,	Experimental lab-Batch A2 Effect of increasing frequency of stimuli (Genesis of tetanus) and genesis of fatigue in skeletal musclePY 3.18 Haematology lab-	Experimental lab-Batch B2 Effect of increasing frequency of stimuli (Genesis of tetanus) and genesis of fatigue in skeletal muscle PY 3.18

12-1PM	L BI 4.2 Describe the processes involved in digestion and absorption of dietary lipids and key features of their metabolism (Fatty acid synthesis, beta oxidation and ketone body metabolism)	AETCOM	mediastinum Histo batch A-Lymphoid System & Lymph Node AN70.21Identify the lymphoid tissue under the microscope &describemicro anatomy of lymph node and correlate the structure with function	middle & posterior mediastinum Histo batch B-Lymphoid System & Lymph Node AN70.21Identify the lymphoid tissue under the microscope &describemicroanatomy of lymph node and correlate the structure with function	Batch A1 Differential leucocyte count) PY 2.11 BI: 11.21A BATCH B2 Demonstrate estimation of glucose in serum. B1 SGD	Haematology lab-Batch B1 Differential leucocyte countPY 2.11 BI: 11.21A BATCH A2 Demonstrate estimation of glucose in serum. A1 SGD

2-4PM	PSM:1.7. Enumerate and describe health indicators	Experimental lab-Batch A1 Effect of increasing frequency of stimuli (Genesis of tetanus) and genesis of fatigue in skeletal musclePY 3.18Haematology lab	Experimental lab-Batch B1 Effect of increasing frequency of stimuli (Genesis of	Small group discussion/ Integrated learning/ -PBL Nerve-	Diss: Mediastinum in situ & thoracic wall AN21.11 Mention boundaries and contents of the superior, anterior, middle & posterior	

		Batch A2 Differential leucocyte count) PY 2.11 BI: 11.21A BATCH B1 Demonstrate estimation of glucose in serum. B2 SGD	tetanus) and genesis of fatigue in skeletal musclePY 3.18 Haematology lab-Batch B2 Differential leucocyte count) PY 2.11 BI 11.8 Batch A1 Demonstrate the estimation of triglycerides A2 SGD	Muscle	mediastinum Histo batch C-Lymphoid System & Lymph Node AN70.21 Identify the lymphoid tissue under the microscope & describe microanatomy of lymph node and correlate the Structure with function	

Time / Day	Monday 4/11/19	Tuesday 5/11/19	Wednesday 6/11/19	Thursday 7/11/19	Friday 8/11/19	Saturday 9/11/19

8-9AM	Lect: Lung-II AN24.3 Describe a bronchopulmonary segment AN24.5 Mention the blood supply, lymphatic drainage and nerve supply of lungs AN24.6 Describe the extent, length, relations, blood supply, lymphatic drainageand nerve supply of trachea	Lect: Histo-Blood Vessels AN69.1-Identify elastic & muscular blood vessels, capillaries under the microscope AN69.2: Describe the various types and structure-function correlation of blood vessel AN69.3 Describe the ultrastructure of blood vessels	Nervous regulation of respiration	PY 5.7 – Describe and discuss haemodynamics of circulatory system	Lec: Heart II (internal features of heart & coronary circulation) AN22.2 Describe & demonstrate external and internal features of each chamberof heart AN22.3 Describe & demonstrate origin, course and branches of coronary arteries AN22.4 Describe anatomical basis of ischaemic heart disease AN22.5 Describe & demonstrate the formation, course, tributaries and termination of coronary sinus AN22.6 Describe the fibrous skeleton of heart AN22.7 Mention the parts, position and arterial supply of the conducting system of heart	L BI 5.2 Describe and discuss structure and organization of protein with reference to myoglobin, hemoglobin and collagen along with associated disorders of defective formation of proteins.

9-10AM	Diss/Demo: Lung AN24.1 Mention the blood supply, lymphatic drainage and nerve supply of pleura,extent of pleura and describe the pleural recesses and their applied anatomy AN24.2 Identify side, external features and relations of structures which form root of lung & bronchial tree and their clinical correlate AN24.3 Describe a bronchopulmonary segment AN24.5 Mention the blood supply, lymphatic drainage and nerve supply of lungs AN24.6 Describe the extent, length, relations, blood supply, lymphatic drainage and nerve supply of trachea.	Diss/Demo: Lung AN24.1 Mention the blood supply, lymphatic drainage and nerve supply of pleura,extent of pleura and describe the pleural recesses and their applied anatomy AN24.2 Identify side, external features and relations of structures which form rootof 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 AN24.6 Describe the extent, length, relations, blood supply, lymphatic drainage and nerve supply of trachea.	L BI 5.1 Describe amino acid structure, classification and biological importance of amino acid, peptide and protein	Lec: Heart I (Pericardium & external features) AN22.1 Describe & demonstrate subdivisions, sinuses in pericardium, blood supply and nerve supply of pericardium AN22.2 Describe & demonstrate external and internal features of each chamber of heart	Chemical regulation of respiration	Demo- External features of heart AN22.1 Describe &demonstrate subdivisions, sinuses in pericardium, bloodsupply and nerve supply of pericardium AN22.2 Describe & demonstrate external and internal features of each chamberof heart.
10-11AM			Lec: Embryo-CVS I AN25.2 Describe development of pleura, lung &heart	Demo: Pleura AN:24.1-24.3	L BI 5.1 Describe amino acid structure, classification and biological importance of amino acid, peptide and protein	PY 5.8.1 Describe and discuss local cardiovascular regulatory mechanisms

11-12PM	PY 6.7 Describe and discuss lung function tests and their clinical significance.	PY 5.6 (ECE) – Describe abnormal ECG, arrhythmias, heart block and myocardial infarction (VI-Medicine)	Batch A: Histo-Blood Vessels AN69.1- Identify elastic & muscular blood vessels, capillaries under the microscope AN69.2: Describe the various types and structure-function correlation of blood vessel AN69.3 Describe the ultrastructure of blood vessels Batch B: embryo practical-respiratory system AN25.2 Describe	Batch A: Diss/demo- Lung Diss/Demo: Lung AN24.1 Mention the blood supply, lymphatic drainage and nerve supply of pleura,extent of pleura and describe the pleural recesses and their appliedanatomy AN24.2 Identify side, external features and relations of structures which form rootof lung &bronchial tree and their clinical correlate Batch B: Histo-Blood Vessels AN69.1-Identify elastic & muscular blood vessels,	Experimental lab Batch A2 Effect of load (Free load and after load conditions) on skeletal muscle PY3.18 Haematology lab-Batch A1 Differential leucocyte count (Revision) PY 2.11 BI 11.10 Batch B2 Demonstrate the estimation of triglycerides B1 SGD	Experimental lab Batch B2 Effect of load (Free load and after load conditions) on skeletal muscle PY3.18 Haematology lab Batch B1 Differential leucocyte count (Revision) PY 2.11 BI 11.10 Batch A2 Demonstrate the estimation of triglycerides A1 SGD

12-1PM	L B4.5: Describe the therapeutic uses of prostaglandins and inhibitors of eicosanoid synthesis.	AETCOM	development of pleura, lung& heart Batch C: Diss/demo- Lung Diss/Demo: Lung AN24.1 Mention the blood supply, lymphatic drainage and nerve supply of pleura,extent of pleura and describe the pleural recesses and their applied anatomy AN24.2 Identify side, external features and relations of structures which form rootof lung & bronchial tree and their clinical correlate	capillaries under the microscope AN69.2: Describe the various types and structure-function correlation of blood vessel AN69.3 Describe the ultrastructure of blood vessels Batch C: embryo practical- respiratory system AN25.2 Describe development of pleura, lung & heart		

2-3PM	Sports	Experimental lab Batch A1 Effect of load (Free load and after load conditions) on skeletal muscle PY3.18 Haematology lab Batch A2 Differential leucocyte count (Revision) PY 2.11 BI 11.10 Batch B1 Demonstrate the estimation of triglycerides B2 SGD	Experimental lab- Batch B1 Effect of load (Free load and after load conditions) on skeletal muscle PY3.18 Haematology lab-Batch B2 Differential leucocyte count (Revision) PY 2.11 BI 11.9 Batch A1 Demonstrate the estimation of serum total cholesterol and HDLcholesterol A2 SGD	Small group discussion/ Tutorial/ Integrated learning/ Self-directed learning	Batch A: embryo practical-respiratory system AN25.2 Describe development of pleura, lung& heart Batch B: Diss/demo- Lung Diss/Demo: Lung AN24.1 Mention the blood supply, lymphatic drainage and nerve supply of pleura,extent of pleura and describe the pleural recesses and their applied anatomy AN24.2 Identify side, external features and relations of structures which form rootof lung & bronchial tree and their clinical correlate Batch C: Histo-Blood Vessels AN69.1-Identify elastic & muscular blood vessels, capillaries under the microscope	

Time/ Day	Monday 11/11/19	Tuesday- HOLIDAY 12/11/19	Wednesday 13/11/19	Thursday 14/11/19	Friday 15/11/19	Saturday 16/11/19
3-4PM	Sports				AN69.2: Describe the various types and structure-function correlation of blood vessel AN69.3 Describe the ultrastructure of blood vessels	

8-9AM	Lec: embryo CVS II AN25.3 Describe fetal circulation and changes occurring at birth AN25.4 Describe embryological basis of: 1) atrial septal defect, 2) ventricular septaldefect, 3) Fallot's tetralogy &4)tracheo-oesophageal fistula AN25.5 Describe developmental basis of congenital anomalies, transposition ofgreat vessels, dextrocardia, patent ductus arteriosus and coarctation ofaorta		PY 5.9.1 – Describe the factors affecting heart rate	Clinical applications of regulation	Lect: Posterior mediastinum I (Azygous vein, thoracic duct, sympathetic chain) AN23.2 Describe & demonstrate the extent, relations tributaries of thoracic ductand enumerate its applied anatomy AN23.3 Describe & demonstrate origin, course, relations, tributaries andtermination of superior venacava, azygos, hemiazygos and accessoryhemiazygos veins AN23.5 Identify & Mention the location and extent ofthoracic sympathetic chain AN23.6 Describe the splanchnic nerves AN23.7 Mention the extent, relations and applied anatomy of lymphatic duct.	L BI 5.3 Describe the digestion and absorption of dietary proteins and catabolism of amino acid and associated disorder

9-10AM	Demo: internal features of heart AN22.2 Describe & demonstrate external and internal features of each chamberof heart		L BI 5.2 Describe and discuss structure and organization of protein with reference to myoglobin, hemoglobin and collagen along with associated disorders of defective formation of proteins. (Vertical integration with pathology)	Lec: embro- CVS-III AN25.6 Mention development of aortic arch arteries, SVC, IVC and coronarysinus	PY 5.9.2 - Describe the factors affecting cardiac output	Demo: Posterior mediatinum
10-11AM			Lec: Histo-Trachea & Lung AN25.1: Identify, draw and label a slide of trachea and lung	Demo: Blood supply of heart AN22.3 Describe & demonstrate origin, course and branches of coronary arteries AN22.5 Describe & demonstrate the formation, course, tributaries andtermination of coronary sinus	L BI 5.3 Describe the digestion and absorption of dietary proteins and catabolism of amino acid and associated disorder	PY 6.4.2 and 6.5 Describe and discuss the pathophysiology of deep sea diving

11-12PM	PY 5.8.2 Describe and discuss systemic cardiovascular regulatory mechanisms		Batch A: histo-Trachea & Lung AN25.1: Identify, draw and label a slide of trachea and lung Batch B: embryo-CVS AN25.2 Describe development of pleura, lung &heart Batch C: SDL and	Batch A: SDL and Demo- internal features of heart AN22.2 Describe & demonstrate external and internal features of each chamberof heart Batch B: histo-Trachea & Lung AN25.1: Identify, draw and label a	Experimental lab Batch A2 Recording of a normal cardiogram on frog's heart and effect of temperature on it PY3.18 Haematology lab	Experimental lab Batch B2 Recording of a normal cardiogram on frog's heart and effect of temperature on it PY3.18 Haematology lab

12-1PM	L BI 5.2 Describe and discuss structure and organization of protein with reference to myoglobin, hemoglobin and collagen along with associated disorders of defective formation of proteins.		Demo- internal features of heart AN22.2 Describe & demonstrate external and internal features of each chamberof heart	slide of trachea and lung Batch C: embryo-CVS AN25.2 Describe development of pleura, lung &heart	Batch A1 Determination of blood groups PY 2.11 Batch B1,B2 Small group discussion/ Tutorial/ Integrated learning/ Self-directed learning Early clinical exposure	Batch B1 Determination of blood groups PY 2.11 Batch A1,A2 Small group discussion/ Tutorial/ Integrated learning/ Self-directed learning Early clinical exposure

2-4PM	PSM:1.8. Describe the demographic profile of India, and discuss its impact on health		Experimental lab Batch B1 Recording of a normal cardiogram on frog's heart and effect of temperature on it PY3.18 Haematology lab Batch B2 Determination of blood groups PY 2.11 BI Seminar batch A	Small group discussion/ Tutorial/ Integrated learning/ Self-directed learning Early clinical exposure	Batch C: histo-Trachea & Lung AN25.1: Identify, draw and label a slide of trachea and lung Batch A: embryo-CVS AN25.2 Describe development of pleura, lung & heart Batch B:SDL and Demo- internal features of heart AN22.2 Describe & demonstrate external and internal features of each chamber of heart	

Time/ Day	Monday 18/11/19	Tuesday 19/11/19	Wednesday 20/11/19	Thursday 21/11/19	Friday 22/11/19	Saturday 23/11/19
8-9AM	Lec: Post mediastinum II(oesophagus&Decending thoracic aorta) AN23.1Describe & demonstrate the external appearance, relations, blood supply,nervesupply,lymphatic drainage and applied anatomy of oesophagus AN23.4 Mention the extent, branches and relations of arch of aorta & descending thoracic aorta	Lect: sectional anatomy of thorax at important vertebral levels	PY 11.4 and 11.8 Exercise physiology-cardiorespiratory physiology	PY 11.8 Exercise physiology-cardiac changes	Lec: Mechanism of respiration AN21.9 Describe & demonstrate mechanics and types of respiration	L BI 5.4 Describe synthesis of non-essential amino acid, derived products and their biological significance
9-10AM	Diss: Posterior mediastinum AN23.1 Describe & demonstrate the external appearance, relations, blood supply,nerve supply,lymphatic drainage and applied anatomy of oesophagus AN23.2 Describe &	Demo/diss: Posterior mediastinum AN23.1 Describe & demonstrate the external appearance, relations, blood supply,nerve supply,lymphatic drainage and applied anatomy of oesophagus AN23.2 Describe &	L BI 5.3 Describe the digestion and absorption of dietary proteins and catabolism of amino acid and associated disorder	Lec: Genetics II	Revision	

10-11AM	demonstrate the extent, relations tributaries of thoracic duct and enumerate its applied anatomy AN23.3 Describe & demonstrate origin, course, relations, tributaries and termination of superior vena cava, azygos, hemiazygos and accessory hemiazygos veins AN23.4 Mention the extent, branches and relations of arch of aorta & descending thoracic aorta AN23.5 Identify & Mention the location and extent of thoracic sympathetic chain	demonstrate the extent, relations tributaries of thoracic duct and enumerate its applied anatomy AN23.3 Describe & demonstrate origin, course, relations, tributaries and termination of superior vena cava, azygos, hemiazygos and accessory hemiazygos veins AN23.4 Mention the extent, branches and relations of arch of aorta & descending thoracic aorta AN23.5 Identify & Mention the location and extent of thoracic sympathetic chain	Lec: thoraco – abdominal diaphragm & joints of thorax AN47.13 Describe and demonstrate the attachments, openings, nerve supply and actions of thoracoabdominal diaphragm. 47.14 Describe the abnormal openings of thoracoabdominal diaphragm and diaphragmatic hernia. AN21.8 Describe & demonstrate type, articular surfaces& movements ofmanubriosternal, costovertebral, costotransverse and xiphisternal joints AN21.10 Describe costochondral and interchondral joints	Lec: Radiology of thorax AN25.7 Identify structures seen on a plain x-ray chest (PA view) AN25.8 Identify and describe in brief a barium swallow	L BI 5.3 Describe the digestion and absorption of dietary proteins and catabolism of amino acid and associated disorder	PY 5.11.1 Describe the pathophysiology of shock, syncope

11-12PM	PY 5.10 Pulmonary circulation	PY 5.9.3 - Describe the factors affecting blood pressure (BP)	Batch A: embryo CVS-AN25.2 Describe development of pleura, lung &heart AN25.3 Describe fetal circulation and changes occurring at birth AN25.4 Describe embryological basis of: 1) atrial septal defect, 2) ventricular septaldefect, 3) Fallot's tetralogy &4)tracheo-oesophageal fistula AN25.5 Describe developmental basis of congenital anomalies, transposition ofgreat vessels, dextrocardia, patent ductus arteriosus and coarctation ofaorta AN25.6 Mention development of aortic arch arteries, SVC, IVC and coronarysinus Batch B & C: SDL and demo/diss mediastinum	Batch A & C: SDL and demo/diss mediastinum Batch B: embryo CVS-AN25.2 Describe development of pleura, lung &heart AN25.3 Describe fetal circulation and changes occurring at birth AN25.4 Describe embryological basis of: 1) atrial septal defect, 2) ventricular septaldefect, 3) Fallot's tetralogy &4)tracheo-oesophageal fistula AN25.5 Describe developmental basis of congenital anomalies, transposition ofgreat vessels, dextrocardia, patent ductus arteriosus and coarctation ofaorta AN25.6 Mention development of aortic arch arteries, SVC, IVC and coronarysinus	Experimental lab Batch A2 Properties of cardiac muscle PY 3.18 Haematology lab Batch A1 Determination of bleeding time and clotting time Py2.11 BI 11.9 Batch B2 Demonstrate the estimation of serum total cholesterol and HDLcholesterol B1 SGD	Experimental lab Batch B2 Properties of cardiac muscle PY 3.18 Haematology lab-Batch B1 Determination of bleeding time and clotting time Py2.11 BI 11.9 Batch A2 Demonstrate the estimation of serum total cholesterol and HDLcholesterol A1 SGD

12-1PM	L BI 5.3 Describe the digestion and absorption of dietary proteins and catabolism of amino acid and associated disorder	AETCOM				

2-4PM	Sports	Experimental lab Batch A1 Recording of a normal cardiogram on frog's heart and effect of temperature on it Properties of cardiac muscle PY3.18 Haematology lab Batch A2 Determination of blood groups Determination of bleeding time and clotting time PY 2.11 BI 11.9 Batch B1 Demonstrate the estimation of serum total cholesterol and HDLcholesterol B2 SGD	Experimental lab Batch B1 Properties of cardiac muscle PY 3.18 Haematology lab Batch B2 Determination of bleeding time and clotting time Py2.11 BI 11.5 Batch A1 Describe screening of urine for inborn errors & describe the use of paper chromatography A2 SGD	Small group discussion/ Tutorial/ Integrated learning/ Self-directed learning Early clinical exposure	Batch A & B:SDL and demo/diss mediastinum Batch C: embryo CVS-AN25.2 Describe development of pleura, lung & heart AN25.3 Describe fetal circulation and changes occurring at birth AN25.4 Describe embryological basis of: 1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy &4) tracheo-oesophageal fistula AN25.5 Describe developmental basis of congenital anomalies, transposition of great vessels, dextrocardia, patent ductus arteriosus and coarctation of aorta AN25.6 Mention development of	

					aortic arch arteries, SVC, IVC and coronary sinus	

Time/ Day	Monday 25/11/19	Tuesday 26/11/19	Wednesday 27/11/19	Thursday 28/11/19	Friday 29/11/19	Saturday 30/11/19
8-9AM	Lec: Surface anatomy of thorax AN25.9 Demonstrate surface marking of lines of pleural reflection, lung bordersand fissures, trachea, heart borders, apex beat & surface projection ofvalves of heart	Lec: Genetics IV	Revision	Revision	Lec: Clinical correlates in Thorax	L BI 6.4 Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin metabolism, bilirubin metabolism and degradation

9-10AM	Demo: joints of thorax AN21.8 Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints AN21.10 Describe costochondral and interchondral joints Demo: joints of thorax	Demo: surface marking of thorax 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 Demo: Sections of thorax. Demo: surface marking of thorax AN25.9 Demonstrate surface marking of lines of pleural reflection, lung	L BI 6.4 Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin metabolism, bilirubin metabolism and degradation	Formative assessment		Revision

10-11AM	AN21.8 Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints AN21.10 Describe costochondral and interchondral joints	borders and fissures, trachea, heart borders, apex beat & surface projection of valves of heart Demo: Sections of thorax.	Revision: Bones of thorax	Formative assessment	L BI 6.4 Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin metabolism, bilirubin metabolism and degradation	Revision
11-12PM	PY 5.11.2 and PY 11.5 Describe the pathophysiology of heart failure and hypertension Describe and discusss physiological consequences of sedentary lifestyle	Revision	Revision: Soft part of thorax		Experimental lab Batch A2 Revision Haematology lab Batch A1 Revision BI 11.5 Batch B2 Describe screening of urine	Experimental lab Batch B2 Revision Haematology lab Batch B1 Revision BI 11.5 Batch A2 Describe screening

12-1PM	L BI 6.1 Describe and discuss the integration of metabolism of carbohydrate, fat and protein and amphibolic pathways in normal, well fed, fasting, exercise, starvation that take place in specific organs in the body.	AETCOM			for inborn errors & describe the use of paper chromatography B1 SGD	of urine for inborn errors & describe the use of paper chromatography A1 SGD

2-4PM	PSM:1.9. Demonstrate the role of effective communication skills in health in a simulated environment 1.10. Demonstrate the important aspect of doctor patient relationship in a simulated environment	Experimental lab Batch A1 Revision Haematology lab Batch A2 Revision BI 11.5 Batch B1 Describe screening of urine for inborn errors & describe the use of paper chromatography B2 SGD	Experimental lab Batch B1 Revision Haematology lab Batch B2 Revision BI : Seminar batch A	Small group discussion/ Tutorial/ Integrated learning/ Self-directed learning Early clinical exposure	Revision	

Mid Term – I : 4th December-14th December 2019
Student Vacation :15th December to 31st December 2019

TIME	Monday	Tuesday	1.1.2020 Wednesday	2.1.2020 Thursday	3.1.2020 Friday	4.1.2020 Saturday
08-09 AM			PY 5.10 Describe and discuss Microcirculation and Lymphatics	PY10.1: Describe and discuss the organization of the nervous system. Lecture No. 1: Describe and discuss the organization of the nervous system.	Lec: Face II & lacrimal apparatus AN 28.2: Describe sensory innervation of face AN 28.3: Describe & demonstrate origin /formation, course, branches /tributaries of facial vessels AN 28.4: Describe & demonstrate branches of facial nerve with distribution AN 28.7: Explain the anatomical basis of facial nerve palsy AN 28.8:Explain surgical importance of deep facial vein AN31.4:Enumerate components of lacrimal apparatus	Bl 9.2Describe the tests that are commonly done in clinical practice to access the functions of these organs (kidney, liver, thyroid and adrenal glandS)

09-10 AM			Bl9.1 Describe the hormones synthesized from kidney, thyroid, pituitary and adrenal glands	Lec: Scalp/Face-I AN: 27.1 Describe the layers of scalp, its blood supply, its nerve supply and surgical importance AN 27.2: Describe emissary veins with its role in spread of infection from extracranial route to intracranial venous sinuses AN 28.1: Describe & demonstrate muscles of facial expression and their nerve supply AN28.6 Identify superficial muscles of face, their nerve supply and action	PY 5.10 Describe and discuss Cutaneous and splanchnic circulation	Demo: Normal Occipitalis and lateralis AN26.2b: Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis

10-11 AM			Lec: Introduction to the Head & Neck AN 26.1: Demonstrate anatomical position of skull, Identify and locate individual skull bones in skull AN 26.6: Explain the concept of bones that ossify in membrane	Lec: Genetics V AN75.3 Describe the genetic basis & clinical features of Prader Willi syndrome,Edward syndrome & Patau syndrome AN75.4 Describe genetic basis of variations:Polymorphism and mutation AN 75.5 Describe the principles of genetic counselling	BI9.1 Describe the hormones synthesized from kidney, thyroid, pituitary and adrenal glands SGD	PY10.2 Describe and discuss the functions and properties of synapse, reflex and receptors. Lecture2: Functions and properties of synapse

11-12 PM			Demo: Landmarks of Head & Neck Norma verticalis & Norma frontali AN26.1: AN26.2a: Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	Demo: Landmarks of Head & Neck and Norma verticalis & Norma frontalis AN26.1: AN26.2a: Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	Experimental Lab Batch A2 Effects of drug on intact frog's heart PY 3.18 Haematology lab Batch A1 Determination of Arneth count Py2.11 BI 11.21B Batch B2 Demonstrate estimation of urea and urea clearance in serum. Batch B1 SGD	Experimental Lab Batch B2 Effects of drug on intact frog's heart PY 3.18 Haematology lab Batch B1 Determination of Arneth count Py2.11 BI 11.21B Batch A2 Demonstrate estimation of urea and urea clearance in serum. Batch A1 SGD

12-01 PM			Demo: Landmarks of Head & Neck Norma verticalis & Norma frontali AN26.1: AN26.2a: Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	Demo: Landmarks of Head & Neck and Norma verticalis & Norma frontalis AN26.1: AN26.2a: Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis		

02-03 PM					Demo: Frontal and parietal bone AN26.2a: Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	

03-04 PM			BI 11.21B Batch A1 Demonstrate estimation of urea and urea clearance in serum. A2 SGD Experimental Lab Batch A2 Effects of drug on intact frog's heart PY 3.18 Haematology lab Batch A1 Determination of Arneth count Py2.11	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Diss: Scalp & face AN: 27.1	

TIME	6.1.2020 Monday	7.1.2020 Tuesday	8.1.2020 Wednesday	9.1.2020 Thursday	10.1.2020 Friday	11.1.2020 Saturday
08-09 AM	Lec: Histology (Integumentary system) AN72.1 Identify the skin and its appendages under the microscope and correlate the structure with function	Lec:Parotid Region I AN28.9a: Describe & demonstrate the parts, borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical Importance	PY10.2: Describe and discuss the functions and properties of synapse, reflex and receptors Lecture No.4: Functions and properties of reflex.	PY 5.10 Describe and discuss Cerebral circulation and CSF	Lec: Deep cervical fascia II AN 35.10: Describe the fascial spaces of neck	BI 9.5 Discuss the involvement of ECM components in health and disease

09-10AM	Diss: face and Demo of Mandible (Feature pertaining to parotid region) AN 28.1 AN 28.6: AN 28.2: AN 28.3: AN 28.4: AN 26.4: Describe morphological features of mandible	Histo Batch A Diss Batch B &C (Face and Parotid region) AN 72.1: AN 28.1: AN 28.6: AN 28.2: AN 28.3: AN 28.4: AN 28.9	Bl 9.3 Describe and discuss cell cycle and its regulation, apoptosis (special mention about p53), oncogene and oncogene activation	Lec: General plan of neck and cervical fascia I AN 35.1: Describe the parts, extent, attachments, modifications of deep cervical fascia	PY10.2: Describe and discuss the functions and properties of synapse, reflex and receptors Lecture No.5: Functions and properties of reflex.	Demo: Cervical Vertebra AN 26.5: Describe features of typical and atypical cervical vertebrae (atlas and axis) AN 26.7: Describe the features of the 7th cervical vertebra AN42.1: Describe the contents of the vertebral canal

10-11 AM	Diss: face and Demo of Mandible (Feature pertaining to parotid region) AN 28.1 AN 28.6: AN 28.2: AN 28.3: AN 28.4: AN 26.4: Describe morphological features of mandible	Histo Batch A Diss Batch B &C (Face and Parotid region) AN72.1: AN 28.1: AN 28.6: AN 28.2: AN 28.3: AN 28.4: AN28.9	Lec: Parotid Region II AN28.9b: Describe & demonstrate the parts, borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical Importance AN28.10: Explain the anatomical basis of Frey's syndrome	Demo: Mandible AN 26.4: Describe morphological features of mandible	B9.4 Describe various tumor markers and the biochemical basis of cancer therapy (SGD)	PY 8.3 Describe the physiology of thymus and pineal gland

11-12 PM	PY10.2: Describe and discuss the functions and properties of synapse, reflex and receptors Lecture 3: Functions and properties of synapse	PY 5.10 Describe and discuss Coronary circulation	Prac: Histo B Diss A &C (Face and ParotidRegion) AN72.1 AN 28.1 AN 28.6 AN 28.2 AN 28.3 AN 28.4 AN28.9:	Histo Batch C/Diss B&A (Face and Parotid Region) AN72.1: AN 28.1: AN 28.6: AN 28.2: AN 28.3: AN 28.4: AN28.9:	Experimental Lab Batch A1 Effect of stimulation of vagus nerve and phenomenon of vagal escape PY 3.18 Haematology lab Batch A2 Determination of Arneth count (Revision) Py2.11 \ BI 11.7 Batch B2 Demonstrate the estimation of serum creatinine and creatinine clearance Batch B1 SGD with FA	Experimental Lab Batch B1 Effect of stimulation of vagus nerve and phenomenon of vagal escape PY 3.18 Haematology lab Batch B2 Determination of Arneth count (Revision) Py2.11 BI 11.7 Batch A2 Demonstrate the estimation of serum creatinine and creatinine clearance Batch A1 SGD with FA

12-1 PM	Bl9.3 Describe and discuss cell cycle and its regulation, apoptosis (special mention about p53), oncogene and oncogene activation	AETCOM	Prac: Histo B Diss A &C (Face and ParotidRegion) AN72.1 AN 28.1 AN 28.6 AN 28.2 AN 28.3 AN 28.4 AN28.9:	Histo Batch C/Diss B&A (Face and Parotid Region) AN72.1: AN 28.1: AN 28.6: AN 28.2: AN 28.3: AN 28.4: AN28.9:		

02-3PM	PSM:2.1. Describe the steps and perform clinico-socio-cultural and demographic assessment of individual, family, community	Experimental Lab Batch A1 Effect of stimulation of vagus nerve and phenomenon of vagal escape PY 3.18 Haematology lab Batch A2 Determination of Arneth count (Revision) Py2.11 BI 11.21B Batch B1 Demonstrate estimation of urea and urea clearance in serum. Batch B2 SGD	Experimental Lab Batch B1 Effect of stimulation of vagus nerve and phenomenon of vagal escape PY 3.18 Haematology lab Batch B2 Determination of Arneth count (Revision) Py2.11 BI 11.7 Batch A1 Demonstrate the estimation of serum creatinine and creatinine clearance Batch A2 SGD with FA	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Demo: Norma Basalis I AN26.2c: Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basal	

3-4 PM	PSM:2.1. Describe the steps and perform clinico-socio-cultural and demographic assessment of individual, family, community				Demo: Deep cervical fascia AN 35.1 AN 35.10:	

TIME	13.1.2020 Monday	14.1.2020 Tuesday	15.1.2020 Wednesday	16.1.2020 Thursday	17.1.2020 Friday	18.1.2020 Saturday
08-09 AM	Lec: Histology (Endocrine I) AN43.22 Identify, describe and draw the microanatomy of thyroid gland. AN52.112 Describe & identify the microanatomical features of suprarenal gland	Lec: Posterior triangle of neck AN 29.1: Describe & demonstrate attachments, nerve supply, relations and actions of sternocleidomastoid AN29.2: Explain anatomical basis of Erb's & Klumpke's palsy AN29.3: Explain anatomical basis of wry neck AN29.4: Describe & demonstrate attachments of 1) inferior belly of omohyoid, 2)scalenus anterior, 3) scalenus medius& 4) levator scapulae	PY10.17 Describe and discuss functional anatomy of eye, physiology of image formation, physiology of vision including color vision, refractive errors, color blindness, physiology of pupil and light reflex. Lec:Physiology of image formation, Refractive errors	PY10.2: Describe and discuss the functions and properties of synapse, reflex and receptors Lecture No.7: Functions and properties of reflex.	Lec: Anterior triangle and submandibular triangle II AN 32.1a: Describe boundaries and subdivisions of anterior triangle AN 32.2b: Describe & demonstrate boundaries and contents of muscular, carotid, digastric and submental triangle	BI 9.7 describe the role of oxidative stress in the pathogenesis of conditions such as cancer, complications of diabetes mellitus and atherosclerosis. Describe the antioxidant defense system in body.

09-10 AM	Diss (Neck): AN 29.1: An 32.1:	PRAC: Histology: Batch A; Diss (Posterior Triangle): Batch B andC AN43.22 AN52.112 AN29.4: An 32.1:	BI 9.7 describe the role of oxidative stress in the pathogenesis of conditions such as cancer, complications of diabetes mellitus and atherosclerosis. Describe the antioxidant defense system in body.	Lec: Anterior triangle and submandibular triangle I AN 32.1a: Describe boundaries and subdivisions of anterior triangle AN 32.2b: Describe & demonstrate boundaries and contents of muscular, carotid, digastric and submental triangle	PY10.17 Describe and discuss functional anatomy of eye, physiology of image formation, physiology of vision including color vision, refractive errors, color blindness, physiology of pupil and light reflex. Lec:Physiology of vision	Interactive session/ SDL

10-11 AM	Diss (Neck): AN 29.1: An 32.1:	PRAC: Histology: Batch A; Diss (Posterior Triangle): Batch B andC AN43.22 AN52.112 AN29.4: An 32.1:	Dissection: Triangles of neck AN29.4: An 32.1:	Dissection: Triangles of neck AN 32.1: AN 32.2:	BI 9.7 describe the role of oxidative stress in the pathogenesis of conditions such as cancer, complications of diabetes mellitus and atherosclerosis. Describe the antioxidant defense system in body. SGD with vertical integration with pathology department	PY10.2: Describe and discuss the functions and properties of synapse, reflex and receptors Lecture No.8: Functions and properties of receptors

11-12PM	PY10.17 Describe and discuss functional anatomy of eye, physiology of image formation, physiology of vision including color vision, refractive errors, color blindness, physiology of pupil and light reflex. Lec:functional anatomy of eye	PY10.2: Describe and discuss the functions and properties of synapse, reflex and receptors Lecture No.6: Functions and properties of reflex.	Histology: Batch B; Diss (Posterior Triangle): Batch A and C AN43.22 AN52.112 AN29.4: An 32.1:	Histology: Batch C; Diss (Posterior Triangle):Batch A and B AN43.22 AN52.112 AN29.4: An 32.1:	Experimental Lab Batch A2 Effect of variables on frog's heart PY 3.18 Haematology lab Batch A1 Determination of Absolute Eosinophil count Py2.11 Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure Batch B1, B2	Experimental Lab Batch B2 Effect of variables on frog's heart PY 3.18 Haematology lab Batch B1 Determination of Absolute Eosinophil count Py2.11 Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure Batch A1, A2

12-1 PM	Bl 9.5 Discuss the involvement of ECM components in health and disease	AETCOM	Histology: Batch B; Diss (Posterior Triangle): Batch A and C AN43.22 AN52.112 AN29.4: An 32.1:	Histology: Batch C; Diss (Posterior Triangle):Batch A and B AN43.22 AN52.112 AN29.4: An 32.1:		

02-3PM	Sports	Experimental Lab Batch A1 Effect of variables on frog's heart PY 3.18 Haematology lab Batch A2 Determination of Absolute Eosinophil count Py2.11 BI 11.7 Batch B1 Demonstrate the estimation of serum creatinine and creatinine clearance Batch B2 SGD with FA	Experimental Lab Batch B1 Effect of variables on frog's heart PY 3.18 Haematology lab Batch B2 Determination of Absolute Eosinophil count Py2.11 BI11.13 Batch A1 Demonstrate the estimation of SGOT/ SGPT Batch A2 SGD with FA	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Dissection: Anterior triangles of neck AN 32.1: AN 32.2:	
3-4 PM	Sports				Dissection: Anterior triangles of neck AN 32.1: AN 32.2:	

TIME	20.1.2020 Monday	21.1.2020 Tuesday	22.1.2020 Wednesday	23.1.2020 Thursday	24.1.2020 Friday	25.1.2020 Saturday
08-09 AM	Lec: Histology (Endocrine II) AN43.21 Identify, describe and draw the microanatomy of pituitary gland	Lec: Meninges and Dural venous sinuses AN30.3 Describe & identify dural folds &dural venous sinuses AN 30.4: Describe clinical importance of dural venous sinuses	PY10.3: Describe and discuss somatic sensations & sensory tracts Lecture No.10: Describe and discuss somatic sensations & sensory tracts	PY10.17 Describe and discuss functional anatomy of eye, physiology of image formation, physiology of vision including color vision, refractive errors, color blindness, physiology of pupil and light reflex. LecPhysiology of color vision, color blindness,	Lec: Orbit II 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	BI 7.1 Describe and discuss nucleotide structure, chemistry and function
09-10 AM	Dissection: Anterior triangles of neck AN 32.1: AN 32.2:	PRAC: Histology: Batch A; Demo: Cranio-cerebral relations; Meninges &venous sinuses: Batch B andC AN43.21 AN 26.3 Describe cranial cavity, its subdivisions, foramina & structures passing through them AN 30.3:	BI 9.6 Describe the role of xenobiotics in disease	Lec: Orbit I AN31.1Describe & identify extra ocular muscles of eyeball AN31.2Describe & demonstrate nerves and vessels in the orbit AN31.3Describe anatomical basis of Horners syndrome AN31.5Explain the anatomical basis of oculomotor, trochlear and abducent nervepalsies	PY10.3: Describe and discuss somatic sensations & sensory tracts Lecture No.11: Describe and discuss somatic sensations & sensory tracts	Interactive session/ SDL

10-11 AM	Dissection: Anteriror triangles of neck AN 32.1: AN 32.2:	PRAC: Histology: Batch A; Demo: Cranio-cerebral relations; Meninges &venous sinuses: Batch B andC AN43.21 AN 26.3 Describe cranial cavity, its subdivisions, foramina & structures passing through them AN 30.3:	Demo: Orbit AN31.1 AN31.2	Dissection: Orbit AN31.1 AN31.2	BI 7.1 Describe and discuss nucleotide structure, chemistry and function	PY 10.18 Describe and discuss the physiological basis of lesion in visual pathway Lec: Physiological basis of lesion in visual pathway
11-12 PM	PY10.2: Describe and discuss the functions and properties of synapse, reflex and receptors Lecture No.9: Functions and properties of receptors	PY10.17 Describe and discuss functional anatomy of eye, physiology of image formation, physiology of vision including color vision, refractive errors, color blindness, physiology of pupil and light reflex. Lec:Physiology of vision physiology of pupil and light reflex	PRAC: Histology: Batch B; Demo: Cranio-cerebral relations; Meninges & venous sinuses): Batch A andC AN43.21 AN 26.3 Describe cranial cavity, its subdivisions, foramina & structures passing through them AN 30.3:	PRAC: Histology: Batch C Demo: Cranio-cerebral relations; Meninges & venous sinuses): Batch A andB AN43.21 AN 26.3 Describe cranial cavity, its subdivisions, foramina & structures passing through them AN 30.3	Experimental Lab Batch A2 Recording of a normal arterial blood pressure and Heart rate PY 5.12 Haematology lab Batch A1 Determination of Absolute Eosinophil count (revision) Py2.11 BI11.13 Batch B2 Demonstrate the estimation of SGOT/ SGPT	Experimental Lab Batch B2 Recording of a normal arterial blood pressure and Heart rate PY 5.12 Haematology lab Batch B1 Determination of Absolute Eosinophil count (revision) Py2.11 BI11.13 Batch A2 Demonstrate the estimation of SGOT/ SGPT

					Batch B1 SGD with FA	Batch A1 SGD with FA
12-1 PM	BI 9.6 Describe the role of xenobiotics in disease	AETCOM	PRAC: Histology: Batch B; Demo: Cranio-cerebral relations; Meninges & venous sinuses): Batch A andC AN43.21 AN 26.3 Describe cranial cavity, its subdivisions, foramina & structures passing through them AN 30.3:	PRAC: Histology: Batch C Demo: Cranio-cerebral relations; Meninges & venous sinuses): Batch A andB AN43.21 AN 26.3 Describe cranial cavity, its subdivisions, foramina & structures passing through them AN 30.3		

02-3PM	PSM: 2.2. Describe the socio-cultural factors, family (types), its role in health and disease and demonstrate in a simulated environment the correct assessment of socio-economic status	Experimental Lab Batch A2 Recording of a normal arterial blood pressure and Heart rate PY 5.12 Haematology lab Batch A1 Determination of Absolute Eosinophil count (revision) Py2.11 BI11.13 Batch B1 Demonstrate the estimation of SGOT/ SGPT Batch B2 SGD with FA	Experimental Lab Batch A2 Recording of a normal arterial blood pressure and Heart rate PY 5.12 Haematology lab Batch A1 Determination of Absolute Eosinophil count (revision) Py2.11 BI 11.12 Batch A1 Demonstrate the estimation of serum bilirubin A2 SGD	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Lec-Dem: Cranial cavity and Bony orbit (Digital displayer) AN30.1: Describe the cranial fossae & identify related structures AN30.2: Describe & identify major foramina with structures passing through them AN 26.3: Describe cranial cavity, its subdivisions, foramina and structures passing through them AN31.1 AN31.2	

3-4 PM	PSM: 2.2. Describe the socio-cultural factors, family (types), its role in health and disease and demonstrate in a simulated environment the correct assessment of socio-economic status				Lec-Dem: Cranial cavity and Bony orbit (Digital displayer) AN30.1: Describe the cranial fossae & identify related structures AN30.2: Describe & identify major foramina with structures passing through them AN 26.3: Describe cranial cavity, its subdivisions, foramina and structures passing through them AN31.1 AN31.2	

TIME	27.1.2020 Monday	28.1.2020 Tuesday	29.1.2020 Wednesday	30.1.2020 Thursday	31.1.2020 Friday	1.2.2020 Saturday
08-09 AM	Lec: Histology (Tonsil, thymus, spleen) AN43.24 Identify, describe and draw the microanatomy of tonsil. AN70.22 Identify the lymphoid tissue under the microscope & describe microanatomy of tonsil and correlate the structure with function AN70.23 Identify the lymphoid tissue under the microscope & describe microanatomy of thymus and correlate the structure with function AN70.24Identify the lymphoid tissue under the microscope & describe microanatomy of spleen and correlate the structure with function	Lec: Temporal/Infra temporal fossa I AN 33.1Describe & demonstrate extent, boundaries and contents of temporal and infratemporal fossae. AN33.2 Describe & demonstrate attachments, direction of fibres, nerve supply and actions of muscles of mastication	PY10 15 Describe and discuss functional anatomy of ear and auditory pathways and physiology of hearing Lec:Functional anatomy of ear	PY10.4; Describe and discuss motor tracts, mechanism of maintenance of body tone. Lecture No.13: Describe and discuss motor tracts, mechanism of maintenance of body tone.	Lec: TM Joint AN33.3Describe & demonstrate articulating surface, type & movements of temporomandibular joint AN33.5Describe the features of dislocation of temporomandibular joint	BI 7.2: Describe and discuss metabolic processes of nucleotides and associated common disorders, namely gout, Lesch Nyhan syndrome, Orotic acidosis and SCID.

09-10 AM	Demo: Temporal bone AN26.2b: Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	PRAC: Histology: Batch A; Diss: Temporal/Infra temporal fossa Batch B andC AN43.24 AN70.22 AN70.23 AN 33.1 AN33.2	BI 7.2: Describe and discuss metabolic processes of nucleotides and associated common disorders, namely gout, Lesch Nyhan syndrome, Orotic acidosis and SCID.	Lec: Temporal/Infra temporal fossa II AN33.2 Describe & demonstrate attachments, direction of fibres, nerve supplyand actions of muscles of mastication AN33.4Explain the clinical significance of pterygoid venous plexus	PY10 15 Describe and discuss functional anatomy of ear and auditory pathways and physiology of hearing Lec: Physiology of hearing	Demo: TM Joint AN33.3 AN33.5
10-11 AM			Demo: Norma Basalis I AN26.2: Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	Diss: Temporal/Infra temporal fossa AN 33.1 AN33.2	BI 7.2: Describe and discuss metabolic processes of nucleotides and associated common disorders, namely gout, Lesch Nyhan syndrome, Orotic acidosis and SCID. (SGD)	PY10.6: Describe and discuss spinal cord, its functions, lesion & sensory disturbances. Lecture No.14: Spinal cord and its functions, lesion and sensory disturbances

11-12 PM	PY 10.18 Describe and discuss the physiological basis of lesion in visual pathway Lec: Physiological basis of lesion in visual pathway	PY10.3: Describe and discuss somatic sensations & sensory tracts Lecture No.12: Describe and discuss somatic sensations & sensory tracts	PRAC: Histology: Batch B; Diss: Temporal/Infra temporal fossa: Batch A andC AN43.24 AN70.22 AN70.23 AN 33.1 AN33.2	PRAC: Histology: Batch C; Diss: Temporal/Infra temporal fossa Batch A andB AN43.24 AN70.22 AN70.23 AN 33.1 AN33.2	Experimental Lab Batch A2 Recording of a normal arterial blood pressure and Heart rate (revision) PY 5.12 Haematology lab Batch A1 Determination of Reticulocyte count (Demonstration) Py2.13 BI 11.12 Batch B2 Demonstrate the estimation of serum bilirubin Batch B1 SGD	Experimental Lab Batch B2 Recording of a normal arterial blood pressure and Heart rate (revision) PY 5.12 Haematology lab Batch B1 Determination of Reticulocyte count (Demonstration) Py2.13 BI 11.12 Batch A2 Demonstrate the estimation of serum bilirubin Batch A1 SGD

12-1 PM	BI 7.2: Describe and discuss metabolic processes of nucleotides and associated common disorders, namely gout, Lesch Nyhan syndrome, Orotic acidosis and SCID.	AETCOM	PRAC: Histology: Batch B; Diss: Temporal/Infra temporal fossa: Batch A andC AN43.24 AN70.22 AN70.23 AN 33.1 AN33.2	PRAC: Histology: Batch C; Diss: Temporal/Infra temporal fossa Batch A andB AN43.24 AN70.22 AN70.23 AN 33.1 AN33.2		

02-4PM	Sports	Experimental Lab Batch A1 Recording of a normal arterial blood pressure and Heart rate (revision) PY 5.12 Haematology lab Batch A2 Determination of Reticulocyte count (Demonstration) Py2.13 BI 11.12 Batch B1 Demonstrate the estimation of serum bilirubin Batch B2 SGD with FA	Experimental Lab Batch B1 Recording of a normal arterial blood pressure and Heart rate (revision) PY 5.12 Haematology lab Batch B2 Determination of Reticulocyte count (Demonstration) Py2.13 BI 11.14 Batch A1 Demonstrate the estimation of alkaline phosphatase A2 SGD with FA	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure PY 10.19 Describe and discuss auditory and visual evoke potentials	Diss: Temporal/Infra temporal fossa AN 33.1 AN33.2	

TIME	3.2.2020 Monday	4.2.2020 Tuesday	5.2.2020 Wednesday	6.2.2020 Thursday	7.2.2020 Friday	8.2.2020 Saturday
08-09 AM	Lec: Histology (Tongue) AN43.23 Identify, describe and draw the microanatomy of tongue	Lec: Pterygopalatine region NO COMPETENCY	PY10.10: Describe and discuss chemical transmission in the nervous system (outline the psychiatry element) Lecture No.16: Chemical transmission in the nervous system (including the psychiatry element)	PY10 16 Describe and discuss pathophysiology of deafness. Describe hearing tests Lec: Pathophysiology of deafness.	Lec: Thyroid N35.2Describe & demonstrate location, parts, borders, surfaces, relations & blood supply of thyroid gland AN35.8 Describe the anatomically relevant clinical features of Thyroid swellings	BI 7.4 Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms.

09-10 AM	Demo: Pterygopalatine region with norma-Lateralis	PRAC: Histology: Batch A; Demo: Pterygopalatine region with norma-Lateralis Batch B Batch C: AN26.2b Describe the features of norma frontalis, verticalis, occipitalis, lateralis and norma basalis	BI 7.4 Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms.	Lec: Submandibular Region AN34.1Describe & demonstrate the morphology, relations and nerve supply of submandibular salivary gland & submandibular ganglion AN34.2Describe the basis of formation of submandibular stones	PY10.10: Describe and discuss chemical transmission in the nervous system (outline the psychiatry element) Lecture No.17: Chemical transmission in the nervous system (including the psychiatry element)	Lec: Vessels and nerves of Head & Neck AN35.3Demonstrate & describe the origin, parts, course & branches subclavian Artery AN35.4Describe & demonstrate origin, course, relations, tributaries and termination of internal jugular & brachiocephalic veins AN35.6Describe and demonstrate the extent, formation, relation & branches ofcervical sympathetic chain AN35.7Describe the course and branches of IX, X, XI & XII nerve in the neck AN35.9 Describe the clinical features of compression of subclavian artery and lower trunk of brachial plexus by cervical rib

10-11 AM	Demo: Pterygopalatine region with norma-Lateralis	PRAC: Histology: Batch A; Demo: Pterygopalatine region with norma-Lateralis Batch B Batch C: AN26.2b Describe the features of norma frontalis, verticalis, occipitalis, lateralis and norma basalis	Interactive session/ SDL	Diss: Submandibular Region AN34.1Describe & demonstrate the morphology, relations and nerve supply of submandibular salivary gland & submandibular ganglion	BI 7.4 Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms.	PY 10.4 Describe and discuss vestibular apparatus Lec: Vestibular apparatus

11-12 PM	PY10.6: Describe and discuss spinal cord, its functions, lesion & sensory disturbances. Lecture No.15: Spinal cord and its functions, lesion and sensory disturbances	PY10 15 Describe and discuss functional anatomy of ear and auditory pathways and physiology of hearing Lec: Physiology of hearing (contd..) Auditory pathways	PRAC: Histology: Batch B; Demo: Pterygopalatine region with norma-Lateralis A andC AN26.2b Describe the features of norma frontalis, verticalis, occipitalis, lateralis and norma basalis	PRAC: Histology: Batch C; Demo: Pterygopalatine region with norma-Lateralis Batch A & B AN26.2b Describe the features of norma frontalis, verticalis, occipitalis, lateralis and norma basalis	Experimental Lab Batch A2 Effect of exercise on blood pressure and Heart rate PY 3.15 Haematology lab Batch A1 Determination of Platelet count (Demonstration) Py2.13 BI 11.14 Batch B2 Demonstrate the estimation of alkaline phosphatase B1 SGD with FA	Experimental Lab Batch B2 Effect of exercise on blood pressure and Heart rate PY 3.15 Haematology lab Batch B1 Determination of Platelet count (Demonstration) Py2.13 BI 11.14 Batch A2 Demonstrate the estimation of alkaline phosphatase A1 SGD with FA
12-1 PM	BI 7.3 Describe the structure and functions of DNA and RNA	AETCOM	PRAC: Histology: Batch B; Demo: Pterygopalatine region with norma-Lateralis A andC AN43.23 AN26.2b Describe the features of norma frontalis, verticalis, occipitalis, lateralis and norma basalis	PRAC: Histology: Batch C; Demo: Pterygopalatine region with norma-Lateralis Batch A, B AN43.23 AN26.2b Describe the features of norma frontalis, verticalis, occipitalis, lateralis and norma basalis		

02-4PM	PSM:2.3. Describe and demonstrate in a simulated environment the assessment of barriers to good health and health seeking behavior	Experimental Lab Batch A1 Effect of exercise on blood pressure and Heart rate PY 3.15 Haematology lab Batch A2 Determination of Platelet count (Demonstration) Py2.13 BI 11.14 Batch B1 Demonstrate the estimation of alkaline phosphatase B2 SG	Experimental Lab Batch B1 Effect of exercise on blood pressure and Heart rate PY 3.15 Haematology lab Batch B2 Determination of Platelet count (Demonstration) Py2.13 BI 11.16 and 11.19 batch A1 11.16: 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 Batch A2 11.19: Outline the basic principles involved in the functioning of instruments commonly used in a biochemistry laboratory and their	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure PY 10.19 Describe and discuss auditory and visual evoke potentials	Diss: Thyroid gland and neck AN35.2	

			applications.			

TIME	10.2.2020 Monday	11.2.2020 Tuesday	12.2.2020 Wednesday	13.2.2020 Thursday	14.2.2020 Friday	15.2.2020 Saturday

08-09 AM	lec: Histology - Eye Ball (Cornea &Rena) AN43.26 Idenfy, describe and draw the microanatomy of cornea AN43.25 Idenfy, describe and draw the microanatomy of ren ec: Histology - Eye Ball (Cornea &Rena) AN43.26 Idenfy, describe and draw the microanatomy of cornea AN43.25 Idenfy, describe and draw the microanatomy of ren Lec: Histology eyeball AN 43.4 Identify, describe and draw microanatomy of olfactory epithelium,eyelid,lip, sclero-corneal junction, optic nerve, cochlea- organ of corti, pineal gland	Lec: Oral Cavity, tonsil & tongue AN36.1 Describe the 1) morphology, relations, blood supply and applied anatomy of palatine tonsil 2) composition of soft palate AN36.2 Describe the components and functions of Waldeyer's lymphatic ring AN36.3 Describe the boundaries and clinical significance of pyriform fossa AN36.4 Describe the anatomical basis of tonsillitis, tonsillectomy, adenoids and peri-tonsillar abscess AN39.1 Describe & demonstrate 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	PY10.7.2: Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum, and limbic system and their abnormalities. Lecture Describe and discuss abnormalities of basal ganglia	PY 10.13 Describe and discuss perception of smell and taste sensation PY 10.14 Describe and discuss pathophysiology of altered smell and taste sensation Lec: Perception of taste sensation, Pathophysiology of altered taste sensation	Lec: Pharynx-I AN 36.5 Describe the clinical significance of Killian's dehiscence AN 36.2 Describe the components and functions of waldeyer's lymphatic ring	Bl 7.5 Describe gene mutation and basic mechanism of regulation of gene expression

09-10 AM	BATCH A: Histo Batch B & C: Diss/demo: Sagittal sections of head & neck AN 43.4 AN36.1 AN36.3 AN39.1	BATCH B: Histo Batch A & C: Diss/demo: Sagittal sections of head & neck AN 43.4 AN36.1 AN36.3 AN39.1	BI 7.4 Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms. SGD	Lec: Soft Palate AN36.1 Describe the 1) morphology, relations, blood supply and applied anatomy of palatine tonsil 2) composition of soft palate	PY10.7.3: Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum, and limbic system and their abnormalities. Lecture Describe and discuss abnormalities of basal ganglia(cont)	Lec: Pharynx-II AN 36.5 Describe the clinical significance of Killian's dehiscence AN 36.2 Describe the components and functions of waldeyer's lymphatic ring

10-11 AM	BATCH A: Histo Batch B & C: Diss/demo: Sagittal sections of head & neck AN 43.4 AN36.1 AN36.3 AN39.1	BATCH B: Histo Batch A & C: Diss/demo: Sagittal sections of head & neck AN 43.4 AN36.1 AN36.3 AN39.1	Lec: Dental anatomy	Diss/ Demo: Larynx AN38.1 Describe the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic muscles of the larynx AN38.2 Describe the anatomical aspects of laryngitis AN38.3 Describe anatomical basis of recurrent laryngeal nerve injury	Bl 7.5 Describe gene mutation and basic mechanism of regulation of gene expression	PY 10.13 Describe and discuss perception of smell and taste sensation PY 10.14 Describe and discuss pathophysiology of altered smell and taste sensation Lec: Perception of smell sensation Pathophysiology of altered smell sensation

11-12 PM	PY 10.4 Describe and discuss vestibular apparatus Lec Vestibular apparatus (contd..)	PY10.7.1: Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum, and limbic system and their abnormalities. Lecture Describe and discuss functions of basal ganglia	BATCH C: Histo Batch A & B: Diss/demo: Sagittal sections of head & neck AN 43.4 AN36.1 AN36.3 AN39.1	Digital displayer: prosection	Experimental Lab Batch A2 Effect of posture on blood pressure and Heart rate PY 3.15 Haematology lab Batch A1 An introduction to General Clinical Examination Py 11.13 BI 11.16 and 11.19 batch B2 11.16: 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 Batch B1 11.19: Outline the basic principles involved in the functioning of	Experimental Lab Batch B2 Effect of posture on blood pressure and Heart rate PY 3.15 Haematology lab Batch B1 An introduction to General Clinical Examination Py11.13 BI 11.16 and 11.19 batch A2 11.16: 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

					instruments commonly used in a biochemistry laboratory and their applications.	•Quality control •DNA isolation from blood/ tissue Batch A1 11.19: Outline the basic principles involved in the functioning of instruments commonly used in a biochemistry laboratory and their applications.

12-1 PM	BI 7.4 Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms.	AETCOM	BATCH C: Histo Batch A & B: Diss/demo: Sagittal sections of head & neck AN 43.4 AN36.1 AN36.3 AN39.1	Digital displayer: prosection		

02-4PM	Sports	Experimental Lab Batch A1 Effect of posture on blood pressure and Heart rate PY 3.15 Haematology lab Batch A2 An introduction to General Clinical Examination Py 11.13 BI 11.16 and 11.19 Batch B1 11.16: 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 Batch B2 11.19: Outline the basic principles involved in the functioning of instruments commonly used in a	Experimental Lab Batch B1 Effect of posture on blood pressure and Heart rate PY 3.15 Haematology lab Batch B2 An introduction to General Clinical Examination Py 11.13 BI 11.17: Batch A : 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	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Demo: Sagittal sections of head & neck AN36.1 AN38.1	

		biochemistry laboratory and their applications.				

TIME	17.2.2020 Monday	18.2.2020 Tuesday	19.2.2020 Wednesday	20.2.2020 Thursday	21.2.2020 Friday	22.2.2020 Saturday
08-09 AM	Lec: Nose and Paranasal sinuses-I AN 37.1 Describe & demonstrate features of nasal septum, lateral wall of nose, their blood supply and nerve supply AN37.2 Describe location and functional anatomy of paranasal sinuses	Lec: Histology- Eyeball II AN 43.4 Identify, describe and draw microanatomy of olfactory epithelium, eyelid,lip, sclero-corneal junction, optic nerve, cochlea- organ of corti, pineal gland	PY8.6 Describe and differentiate the mechanism of action of steroid, protein and amine hormones Lecture 1 Mechanism of hormone action	PY10.7.5: Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum, and limbic system and their abnormalities. Lecture Describe and discuss abnormalities off cerebellum	HOLIDAY	Bl 7.6 Describe protein folding and targeting along with its associated disorders

09-10 AM	BATCH A: Histo Batch A & B: Sagittal sections &SDL(nose & larynx) AN 43.4 AN 37.1 AN37.2 AN38.1 AN38.2	BATCH B: Histo Batch A & C: Sagittal sections & SDL (nose & larynx) AN 43.4 AN 37.1 AN37.2 AN38.1 AN38.2	Bl 7.6 Describe protein folding and targeting along with its associated disorders	Lec: Larynx AN38.1 Describe the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic muscles of the larynx AN38.2 Describe the anatomical aspects of laryngitis AN38.3 Describe anatomical basis of recurrent laryngeal nerve injury		Lec: Ear AN40.1 Describe & identify the parts, blood supply and nerve supply of external ear AN40.2 Describe & demonstrate the boundaries, contents, relations and functional anatomy of middle ear and auditory tube AN40.3Describe the features of internal ear AN40.4Explain anatomical basis of otitis externa and otitis media AN40.5 Explain anatomical basis of myringotomy

10-11 AM			Lec: Nose and Paranasal sinuses-II AN37.2 Describe location and functional anatomy of paranasal sinuses AN37.3 Describe anatomical basis of sinusitis & maxillary sinus tumours	Prac: All batches - Genetics Practical AN 73.1-AN73.3 AN 74.1-74.4 AN 75.1-AN 75.5		PY10.7.6: Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum, and limbic system and their abnormalities Lecture Describe and discuss functions of, hypothalamus.

11-12PM	PY8.6.1 Describe and differentiate the mechanism of action of steroid, protein and amine hormones Lecture 1 Mechanism of action of hormone	PY10.7.4: Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum, and limbic system and their abnormalities. Lecture Describe and discuss functions of cerebellum	BATCH : Histo Batch A & B Sagittal sections & SDL (nose & larynx) AN 43.4 AN 37.1 AN37.2 AN38.1 AN38.2	Prac: All batches - Genetics Practical AN 73.1-AN73.3 AN 74.1-74.4 AN 75.1-AN 75.5		Experimental Lab Batch B2 Mosso's Ergograph and Hand Grip Dynamometer PY 3.14 Haematology lab Batch B1 Clinical examination Respiratory system PY6.9 Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure Batch A1 and A2

12-1 PM	Bl 7.5 Describe gene mutation and basic mechanism of regulation of gene expression	AETCOM	BATCH B: Histo Batch A & C: Sagittal sections & SDL (nose & larynx) AN 43.4 AN 37.1 AN37.2 AN38.1 AN38.2	Prac: All batches - Genetics Practical AN 73.1-AN73.3 AN 74.1-74.4 AN 75.1-AN 75.5		

02-4PM	PSM:2.4. Describe social psychology, community behaviour and community relationship and their impact on health and diseases	Experimental Lab Batch A1 Mosso's Ergograph and Hand Grip Dynamometer PY 3.14 Haematology lab Batch A2 Clinical examination Respiratory system Py 6.9 BI 11.17 Batch B: 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	Experimental Lab Batch B1 Mosso's Ergograph and Hand Grip Dynamometer PY 3.14 Haematology lab Batch B2 Clinical examination Respiratory system Py 6.9 BI 11.15 Batch A1 Describe & discuss the composition of CSF A2 SGD	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure		

TIME	24.2.2020 Monday	25.2.2020 Tuesday	26.2.2020 Wednesday	27.2.2020 Thursday	Friday 28-2-20	Saturday 29-2-20

08-09 AM	Lec: Embryology: Pharyngeal arches AN43.4Describe the development and developmental basis of congenitalanomalies of face, palate, tongue, branchial apparatus, pituitary gland, thyroid gland & eye	Embryology: Face, nose and palate AN43.4Describe the development and developmental basis of congenitalanomalies of face, palate, tongue, branchial apparatus, pituitary gland, thyroid gland & eye	PY10.7.8: Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum, and limbic system and their abnormalities. Lecture Describe and discuss functions of limbic system	PY8.2.2 Describe the synthesis, secretion, transport, physiological action, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus Lecture 3 Hormones of Anterior pituitary	Lec: Introduction to Nervous System & Meninges AN56.1 Describe & identify various layers of meninges with its extent & modifications AN56.2 Describe circulation of CSF with its applied anatomy	Bl 7.7 Describe the applications of molecular techniques like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis

09-10 AM	Prac: Embryology Batch A Demo:Joints of Head and neck Batch B Surface Anatomy & Radiology head & neck batch C AN 43.1Describe & demonstrate the movements with muscles producing the movements of atlantooccipital joint &atlantoaxial joint AN 43.4 AN43.7 Identify the anatomical structures in 1) Plain x-ray skull, 2) AP view and lateral view 3) Plain x-ray cervical spine-AP and lateral view 4) Plain x-ray of paranasal sinuses AN43.8 Describe the anatomical route used for carotid angiogram and vertebral angiogram AN43.9 Identify anatomical structures in carotid angiogram and vertebral	Prac: Embryology Batch B Demo:Joints of Head and neck Batch C Surface anatomy &Radiology head & neck Batch A AN 43.1Describe & demonstrate the movements with muscles producing the movements of atlantooccipital joint &atlantoaxial joint AN 43.4 AN43.7 Identify the anatomical structures in 1) Plain x-ray skull, 2) AP view and lateral view 3) Plain x-ray cervical spine-AP and lateral view 4) Plain x-ray of paranasal sinuses AN43.8 Describe the anatomical route used for carotid angiogram and vertebral angiogram AN43.9 Identify anatomical structures in carotid angiogram and vertebral angiogramAN43.5: Demonstrate- 1)	Bl 7.7 Describe the applications of molecular techniques like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis	Formative assessment	PY10.7.9: Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum, and limbic system and their abnormalities. Lecture Describe and discuss abnormalities of limbic system	Demo: Blood supply of Brain AN62.6 Describe & identify formation, branches & major areas of distribution of circle of Willis

	angiogramDemo: AN43.5: Demonstrate- 1) Testing of muscles of facial expression, extraocular muscles, muscles of mastication, 2) Palpation of carotid arteries, facial artery, superficial temporal artery, 3) Location of internal and external jugular veins, 4) Location of hyoid bone, thyroid cartilage and cricoid cartilage with their vertebral levels AN43.6Demonstrate surface projection of- Thyroid gland, Parotid gland and duct, Pterion, Common carotid artery, Internal jugular vein, Subclavian vein, External jugular vein, Facial artery in the face & accessory nerve	Testing of muscles of facial expression, extraocular muscles, muscles of mastication, 2) Palpation of carotid arteries, facial artery, superficial temporal artery, 3) Location of internal and external jugular veins, 4) Location of hyoid bone, thyroid cartilage and cricoid cartilage with their vertebral levels AN43.6Demonstrate surface projection of- Thyroid gland, Parotid gland and duct, Pterion, Common carotid artery, Internal jugular vein, Subclavian vein, External jugular vein, Facial artery in the face & accessory nerve				

10-11 AM	Prac: Embryology Batch A Demo:Joints of Head and neck Batch B Surface Anatomy & Radiology head & neck batch C AN 43.1Describe & demonstrate the movements with muscles producing the movements of atlantooccipital joint &atlantoaxial joint AN 43.4 AN43.7 Identify the anatomical structures in 1) Plain x-ray skull, 2) AP view and lateral view 3) Plain x-ray cervical spine-AP and lateral view 4) Plain x-ray of paranasal sinuses AN43.8 Describe the anatomical route used for carotid angiogram and vertebral angiogram AN43.9 Identify anatomical structures in carotid angiogram and vertebral	Prac: Embryology Batch B Demo:Joints of Head and neck Batch C Surface anatomy &Radiology head & neck Batch A AN 43.1Describe & demonstrate the movements with muscles producing the movements of atlantooccipital joint &atlantoaxial joint AN 43.4 AN43.7 Identify the anatomical structures in 1) Plain x-ray skull, 2) AP view and lateral view 3) Plain x-ray cervical spine-AP and lateral view 4) Plain x-ray of paranasal sinuses AN43.8 Describe the anatomical route used for carotid angiogram and vertebral angiogram AN43.9 Identify anatomical structures in carotid angiogram and vertebral angiogramAN43.5: Demonstrate- 1)	Lec:Parasympath. ganglia of Head & neck AN35.7 Describe the course and branches of IX, X, XI & XII nerve in the neck	Formative assessment	BI 7.7 Describe the applications of molecular techniques like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis (SGD)	PY8.2.3 Describe the synthesis, secretion, transport, physiological action, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus Lecture 4 Growth hormone

	angiogramDemo: AN43.5: Demonstrate- 1) Testing of muscles of facial expression, extraocular muscles, muscles of mastication, 2) Palpation of carotid arteries, facial artery, superficial temporal artery, 3) Location of internal and external jugular veins, 4) Location of hyoid bone, thyroid cartilage and cricoid cartilage with their vertebral levels AN43.6Demonstrate surface projection of- Thyroid gland, Parotid gland and duct, Pterion, Common carotid artery, Internal jugular vein, Subclavian vein, External jugular vein, Facial artery in the face & accessory nerve	Testing of muscles of facial expression, extraocular muscles, muscles of mastication, 2) Palpation of carotid arteries, facial artery, superficial temporal artery, 3) Location of internal and external jugular veins, 4) Location of hyoid bone, thyroid cartilage and cricoid cartilage with their vertebral levels AN43.6Demonstrate surface projection of- Thyroid gland, Parotid gland and duct, Pterion, Common carotid artery, Internal jugular vein, Subclavian vein, External jugular vein, Facial artery in the face & accessory nerve				

11-12 PM	PY10.7.7: Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum, and limbic system and their abnormalities. Lecture Describe and discuss abnormalites of, hypothalamus.	PY8.2.1 Describe the synthesis, secretion, transport, physiological action, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus Lecture 2 Hypothalamus and hypothalamo-pituitary axis	Prac: Embryology Batch C Demo:Joints of Head and neck Batch A Surface anatomy & Radiology head & neck Batch B AN43.1Describe & demonstrate the movements with muscles producing the movements of atlantooccipital joint &atlantoaxial joint AN 43.4 AN43.7 Identify the anatomical structures in 1) Plain x-ray skull, 2) AP view and lateral view 3) Plain x-ray cervical spine-AP and lateral view 4) Plain x-ray of paranasal sinuses AN43.8 Describe the anatomical route used for carotid angiogram and vertebral angiogram AN43.9 Identify anatomical structures in carotid angiogram and vertebral angiogramAN43.5: Demonstrate- 1)	Formative assessment	Experimental Lab Batch A2 Mosso's Ergograph and Hand Grip Dynamometer PY 3.14 Haematology lab Batch A1 Clinical examination Respiratory system PY6.9 BI 11.17 Batch B: 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	Experimental Lab Batch B2 Mosso's Ergograph and Hand Grip Dynamometer (Revision) PY 3.14 Haematology lab Batch B1 Clinical examination Respiratory system (Revision) PY6.9 BI 11.17 Batch A: 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

			Testing of muscles of facial expression, extraocular muscles, muscles of mastication, 2) Palpation of carotid arteries, facial artery, superficial temporal artery, 3) Location of internal and external jugular veins, 4) Location of hyoid bone, thyroid cartilage and cricoid cartilage with their vertebral levels AN43.6Demonstrate surface projection of- Thyroid gland, Parotid gland and duct, Pterion, Common carotid artery, Internal jugular vein, Subclavian vein, External jugular vein, Facial artery in the face & accessory nerve			

12-1 PM	Bl 7.7 Describe the applications of molecular techniques like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis	AETCOM	Prac: Embryology Batch C Demo:Joints of Head and neck Batch A Surface anatomy & Radiology head & neck Batch B AN43.1Describe & demonstrate the movements with muscles producing the movements of atlantooccipital joint &atlantoaxial joint AN 43.4 AN43.7 Identify the anatomical structures in 1) Plain x-ray skull, 2) AP view and lateral view 3) Plain x-ray cervical spine-AP and lateral view 4) Plain x-ray of paranasal sinuses AN43.8 Describe the anatomical route used for carotid angiogram and vertebral angiogram AN43.9 Identify anatomical structures in carotid angiogram and vertebral angiogramAN43.5: Demonstrate- 1)			

			Testing of muscles of facial expression, extraocular muscles, muscles of mastication, 2) Palpation of carotid arteries, facial artery, superficial temporal artery, 3) Location of internal and external jugular veins, 4) Location of hyoid bone, thyroid cartilage and cricoid cartilage with their vertebral levels AN43.6Demonstrate surface projection of- Thyroid gland, Parotid gland and duct, Pterion, Common carotid artery, Internal jugular vein, Subclavian vein, External jugular vein, Facial artery in the face & accessory nerve			

02-3PM	Sports	Experimental Lab Batch A1 Mosso's Ergograph and Hand Grip Dynamometer (Revision) PY 3.14 Haematology lab Batch A2 Clinical examination Respiratory system (Revision) PY6.9 BI 11.15 Batch B1 Describe & discuss the composition of CSF B2 SGD with FA	Experimental Lab Batch B1 Mosso's Ergograph and Hand Grip Dynamometer (Revision) PY 3.14 Haematology lab Batch B2 Clinical examination Respiratory system (Revision) PY6.9 BI 11.23 Batch A1 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 Batch A2 SGD with FA	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Demo: Craniocerebral relations	

03-4PM	Sports				Demo: External surface of brain & meninges AN56.1	

Time/ Day	Monday 2-3-20	Tuesday 3-3-20	Wednesday 4-3-20	Thursday 5-3-20	Friday 6-3-20	Saturday 7-3-20
8-9AM	Lec: Spinal Cord AN57.1 Identify external features of spinal cord AN57.2 Describe extent of spinal cord in child & adult with its clinical implication AN57.3 Draw & label transverse section of spinal cord at mid-cervical & midthoracic Level AN57.4 Enumerate ascending & descending tracts at mid thoracic level of spinal cord AN57.5 Describe anatomical basis of syringomyelia	Lec: : Histology - Nervous System I AN 64.1 Describe and identify the microanatomical features of spinal cord	PY8.2.5 Describe the synthesis, secretion, transport, physiological action, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus Lecture 6 Thyroid hormone	PY10.8.1: Describe and discuss behavioral and EEG characteristics during sleep and mechanism responsible for its production Lecture Describe and discuss behavioral and EEG characteristics during sleep	Lec: Cranial Nerve Nuclei AN62.1 Enumerate cranial nerve nuclei with its functional component	BI 10.2 Describe and discuss humoral and cellular immune responses, self/non-self-recognition and the central role of T-helper cells in immune response

9-10AM	Demo: Spinal Cord AN57.1-57.5	Demo: Medulla AN58.1 Identify external features of medulla oblongata	Bl 10.1 Describe immune system and its different components, namely innate and adaptive immune response	Lec: Pons & Midbrain 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 AN61.1 Identify external & internal features of midbrain AN61.2 Describe internal features of midbrain at the level of superior & inferior Colliculus AN61.3 Describe anatomical basis & effects of Benedikt's and Weber's syndrome	PY8.2.6 Describe the synthesis, secretion, transport, physiological action, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus Lecture 7 Thyroid hormone (contd)	Demo: Midbrain AN61.1-3

10-11AM	Demo: Spinal Cord AN57.1-57.5	Demo: Medulla AN58.1	Lec: Medulla 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	Demo: Pons AN59.1-59.3	BI 10.1 Describe immune system and its different components, namely innate and adaptive immune response	PY10.8.2: Describe and discuss behavioral and EEG characteristics during sleep and mechanism responsible for its production Lecture Describe and discuss mechanism responsible for sleep production
11-12PM	PY8.2.4 Describe the synthesis, secretion, transport, physiological action, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus	PY10.7.10: Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum, and limbic system and their abnormalities. Lecture Describe and discuss abnormalities of limbic system (cont)	Demo: Batch B &C Medulla/pons AN58.1-58.4 AN59.1-59.3 Batch A: Histology AN 64.1	Demo: Batch A & C Medulla/pons AN58.1-58.4 AN59.1-59.3 Batch B: Histology AN64.1	Experimental Lab Batch A2 Recording of Lung volumes and capacities PY 6.8+6.10 Haematology lab Batch A1 Clinical examination Cardiovascular system PY5.15	Experimental Lab Batch B2 Recording of Lung volumes and capacities PY 6.8+6.10 Haematology lab Batch B1 Clinical examination Cardiovascular system PY5.15

	Lecture 5 Growth hormone (contd)				BI 11.23 Batch B2 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 Batch B1 SGD with FA	BI 11.23 Batch A2 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 Batch A1 SGD with FA
12-1PM	BI 10.1 Describe immune system and its different components, namely innate and adaptive immune response	AETCOM	Demo: Batch B & C Medulla/pons AN58.1-58.4 AN59.1-59.3 Batch A: Histology AN 64.1	Demo: Batch A & C Medulla/pons AN58.1-58.4 AN59.1-59.3 Batch B: Histology AN64.1		
2-3PM	PSM: 2.5. Describe poverty and social security measures and its relationship to health and disease	Experimental Lab Batch A1 Recording of Lung volumes and capacities PY 6.8+6.10	Experimental Lab Batch B1 Recording of Lung volumes and capacities PY 6.8+6.10	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Demo: Batch A & B Medulla/pons AN58.1-58.4 AN59.1-59.3 Batch C: Histology 64.1	
3-4PM	PSM: 2.5. Describe poverty and social security measures and its relationship to health and disease	Haematology lab Batch A2 Clinical examination Cardiovascular system PY5.15 BI 11.23 Batch B1 Calculate energy content of different	Haematology lab Batch B2 Clinical examination Cardiovascular system PY5.15 BI 11.24 Batch A1 Enumerate advantages and/or disadvantages of		Demo: Batch A & B Medulla/pons AN58.1-58.4 AN59.1-59.3 Batch C: Histology 64.1	

		food Items, identify food items with high and low glycemic index and explain the importance of these in the diet Batch B2 SGD with FA	use of unsaturated, saturated and trans fats in food. Batch A2 SGD with FA			

Time/ Day	Monday 9-3-2020	Tuesday 10-3-20 Holi	Wednesday 11-3-20	Thursday 12-3-20	Friday 13-3-20	Saturday 14-3-20
8-9AM	Lec: Histology - Nervous System II AN 64.1 Describe and identify the microanatomical features of cerebellum		PY10.5.1 Describe and discuss structure and function of reticular activation system, autonomic nervous system Lecture Describe and discuss structure and function of reticular activation system	PY8.2.7 Describe the synthesis, secretion, transport, physiological action, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus Lecture 8 Parathyroid hormone	Lec :Cerebrum-I AN62.2 Describe & demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere	BI 10.2 Describe and discuss humoral and cellular immune responses, self/non-self-recognition and the central role of T-helper cells in immune response

9-10AM	Demo: Cerebellum AN60.1 Describe & demonstrate external & internal features of cerebellum AN60.2 Describe connections of cerebellar cortex and intracerebellar nuclei AN60.3 Describe anatomical basis of cerebellar dysfunction		Bl 10.2 Describe and discuss humoral and cellular immune responses, self/non-self-recognition and the central role of T-helper cells in immune response	Lec: Thalamus AN62.5 Describe boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus	PY10.5.2 Describe and discuss structure and function of reticular activation system, autonomic nervous system Lecture Describe and discuss structure and function, autonomic nervous system	Lec :Ascending & Descending Tracts
10-11AM	Demo: Fourth Ventricle AN63.1 Describe & demonstrate parts, boundaries & features of IIIrd, IVth& lateral ventricle		Lec: Cerebellum AN60.1 Describe & demonstrate external & internal features of cerebellum AN60.2 Describe connections of cerebellar cortex and intracerebellar nuclei AN60.3 Describe anatomical basis of cerebellar dysfunction	Demo: Third Ventricle	Bl 10.2 Describe and discuss humoral and cellular immune responses, self/non-self-recognition and the central role of T-helper cells in immune response	PY8.2.8 Describe the synthesis, secretion, transport, physiological action, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus Lecture 9 Parathyroid hormone (contd)

11-12PM	PY11.1: Discuss the mechanism of temperature regulation PY 11.2 Discuss and describe adaptation to altered temperature (heat and cold) PY11.3 Describe and discuss mechanism of fever, cold injuries and heat stroke Lecture Discuss the mechanism of temperature regulation and Discuss and describe adaptation to altered temperature (heat and cold) and Describe and discuss mechanism of fever, cold injuries and heat stroke		Histo Batch A Demo: Diencephalon Batch B & C AN 62.5	Histo Batch B Demo: Diencephalon Batch A& C AN 62.5	Experimental Lab Batch A2 Recording of Lung volumes and capacities (revision) PY 6.8+6.10 Haematology lab Batch A1 Clinical examination Cardiovascular system (revision) PY5.15 BI 11.24 Batch B2 Enumerate advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food. Batch B1 SGD with FA	Experimental Lab Batch B2 Recording of Lung volumes and capacities (revision) PY 6.8+6.10 Haematology lab Batch B1 Clinical examination Cardiovascular system (revision) PY5.15 BI 11.24 Batch A2 Enumerate advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food. Batch A1 SGD with FA

12-1PM	BI 10.2 Describe and discuss humoral and cellular immune responses, self/non-self-recognition and the central role of T-helper cells in immune response		Histo Batch A Demo: Diencephalon Batch B & C AN 62.5	Histo Batch B Demo: Diencephalon Batch A& C AN 62.5		
2-3PM	Sports	Experimental Lab Batch A1 Recording of Lung volumes and capacities (revision) PY 6.8+6.10 Haematology lab Batch A2 Clinical examination Cardiovascular system (revision) PY5.15 BI 11.24 Batch B1 Enumerate advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food. Batch B2 SGD with FA	Experimental Lab Batch B1 Recording of Lung volumes and capacities (revision) PY 6.8+6.10 Haematology lab Batch B2 Clinical examination Cardiovascular system (revision) PY5.15 Biochemistry revision particles	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	HistoBatchC Demo: Diencephalon Batch A& B AN 62.5	
3-4PM	Sports				HistoBatchC Demo: Diencephalon Batch A& B AN 62.5	

Time/ Day	Monday 16-3-20	Tuesday 17-3-20	Wednesday 18-3-20	Thursday 19-3-20	Friday 20-3-20	Saturday 21-3-20
8-9AM	Lec: Cerebrum -II AN62.3 Describe the white matter of cerebrum	Lec: Histology - Nervous System II AN 64.1 Describe and identify the microanatomical features of cerebrum	PY8.2.9 Describe the synthesis, secretion, transport, physiological action, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus Lecture 12 Adrenal cortex	PY10.4.4 Describe and discuss motor tract, mechanism of maintenance of tone, control of body movements, Posture and equilibrium and vestibular apparatus Lecture Describe and discuss mechanism of maintenance of tone, control of body movements, Posture and equilibrium and vestibular apparatus	Lec: Special senses	BI 10.3: Describe antigens, autoimmunity and concepts involved in vaccine development.
9-10AM	Demo: Cerebrum AN62.2-62.3	Demo: Lateral ventricles	BI 10.2 Describe and discuss humoral and cellular immune responses, self/non-self-recognition and the central role of T-helper cells in immune response (SGD)	Lec: Limbic System AN62.4 Enumerate parts & major connections of basal ganglia & limbic lobe	PY8.2.10 Describe the synthesis, secretion, transport, physiological action, regulation and effect of altered (hypo and hyper) secretion of pituitary gland,	Lec: Blood Supply of Brain AN62.6 Describe & identify formation, branches & major areas of distribution of Circle of Willis

					thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus Lecture 12 Adrenal cortex (contd)	
10-11AM	Demo: Cerebrum AN62.2-62.3	Demo- Brain sections	Lec: Corpus Striatum AN62.4 Enumerate parts & major connections of basal ganglia & limbic lobe	Demo: Pathways of special senses Cranial nerve I,II. VIII	BI 10.2 Describe and discuss humoral and cellular immune responses, self/non-self-recognition and the central role of T-helper cells in immune response (SGD)	PY10.4.5 Describe and discuss motor tract, mechanism of maintenance of tone, control of body movements, Posture and equilibrium and vestibular apparatus Lecture Lecture Describe and discuss mechanism of maintenance of tone, control of body movements, Posture and equilibrium (cont)
11-12PM	PY8.1 Describe the physiology of bone and calcium metabolism	PY10.5.3 Describe and discuss structure and function of reticular activation system, autonomic nervous system Lecture Describe and discuss structure	Histo Batch A Demo: Batch B & C Ventricular System AN63.1-2	Histo batch B Demo Batch A & C Ventricular System AN63.1-2	Experimental Lab Batch A2 Vitalography PY 6.8 Haematology lab Batch A1 Recording of ECG PY5.13	Experimental Lab Batch B2 Vitalography PY 6.8 Haematology lab Batch B1 Recording of ECG PY5.13

		and function, autonomic nervous system(cont)			Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning/ Early clinical exposure Batch B1, B2	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning/ Early clinical exposure Batch A1, A2
12-1PM	Bl 10.2 Describe and discuss humoral and cellular immune responses, self/non-self-recognition and the central role of T-helper cells in immune response	AETCOM	Histo batch A Demo: Batch B & C Ventricular System AN63.1-2	Histo batch B Demo Batch A & C Ventricular System AN63.1-2		
2-3PM	PSM:3.1. Describe the health hazards of air, water, noise, radiation and pollution	Experimental Lab Batch A1 Vitalography PY 6.8 Haematology lab Batch A2 Recording of ECG PY5.13	Experimental Lab Batch B1 Vitalography PY 6.8 Haematology lab Batch B2 Recording of ECG PY5.13	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Histo batch C Demo Batch A & B Ventricular System AN63.1-2	
3-4PM	PSM:3.1. Describe the health hazards of air, water, noise, radiation and pollution				Histo batch C Demo Batch A & B Ventricular System AN63.1-2	

Time/ Day	Monday 23-3-20	Tuesday 24-3-20	Wednesday 25-3-20	Thursday 26-3-20	Friday 27-3-20	Saturday 28-3-20
8-9AM	Lec: Development of CNS-I AN64.2 Describe the development of neural tube, spinal cord, medulla oblongata, pons, midbrain, cerebral hemisphere & cerebellum	Lec: Development of CNS-II AN64.3 Describe various types of open neural tube defects with its embryological basis	PY 10.9 Describe and discuss the physiological basis of memory, learning and speech Lec: Speech	PY8.2.14 Describe the synthesis, secretion, transport, physiological action, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus Lecture14 Adrenal Medulla	Lec:Introduction to lower limb and Anterior compartment of thigh I AN15.2 Describe and demonstrate major muscles with their attachment, nerve supply and actions	BI 10.3: Describe antigens, autoimmunity and concepts involved in vaccine development.

9-10AM	Batch A: Embryo AN64.2-3 Batch B: Radio Batch C: Demo Brain Sections	Batch B: EmbryoAN64.2-3 Batch C: Radio Batch A: Demo Brain Sections	BI 10.3: Describe antigens, autoimmunity and concepts involved in vaccine development.	Formative assessment	PY7.1: Describe structure and function of kidney	Demo : General features of Hip bone AN14.2 Identify & describe joints formed by the given bone AN20.7 Identify & demonstrate important bony landmarks of lower limb: -Vertebral levels of highest point of iliac crest, posterior superior iliac spines, iliac tubercle, pubic tubercle, ischial tuberosity

10-11AM	Batch A: Embryo Models AN64.2-3 Batch B: Radio Batch C: Demo Brain Sections	Batch B: Embryo Models AN64.2-3 Batch C: Radio Batch A: Demo Brain Sections	Lec: Radiology	Formative assessment	BI 10.3: Describe antigens, autoimmunity and concepts involved in vaccine development.	PY8.2.15 Describe the synthesis, secretion, transport, physiological action, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus Lecture 15 Endocrine pancreas
11-12PM	PY 10.9 Describe and discuss the physiological basis of memory, learning and speech Lec: Memory and learning	PY8.2.11 Describe the synthesis, secretion, transport, physiological action, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus Lecture 13 Adrenal cortex (contd)	Batch C: Embryo Models AN64.2-3 Batch B: Demo Brain Sections Batch A:Radio	Formative assessment	Experimental Lab Batch A2 Stethography PY 6.9 Haematology lab Batch A1 Recording of ECG (revision) PY5.13	Experimental Lab Batch B2 Stethography PY 6.9 Haematology lab Batch B1 Recording of ECG (revision) PY5.13

12-1PM	BI 10.3: Describe antigens, autoimmunity and concepts involved in vaccine development.		Batch C: Embryo AN64.2-3 Batch B: Demo Brain Sections Batch A:Radio	Formative assessment		
2-3PM	Sports	Experimental Lab Batch A1 Stethography PY 6.9 Haematology lab Batch A2 Recording of ECG (revision) PY5.13	Experimental Lab Batch B1 Stethography PY 6.9 Haematology lab Batch B2 Recording of ECG (revision) PY5.13	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Demo: General features of femur AN14.1 Identify the given bone, its side, important features & keep it in anatomical position	

3-4PM	Sports				Demo : Hip bone in relation to lower limb & landmarks of lower limb AN14.2 Identify & describe joints formed by the given bone AN20.7 Identify & demonstrate important bony landmarks of lower limb: -Vertebral levels of highest point of iliac crest, posterior superior iliac spines, iliac tubercle, pubic tubercle, ischial tuberosity, adductor tubercle, -Tibial tuberosity, head of fibula, -Medial and lateral malleoli, Condyles of femur and tibia, sustentaculum tali, tuberosity of fifth metatarsal, tuberosity of the navicular	

TIME	30.03.2020 Monday	31.03.2020 Tuesday	01.04.2020 Wednesday	02.04.2020 Thursday	03.04.2020 Friday	04.04.2020 Saturday

08-09 AM	Lec : Anterior compartment of thigh-II (Femoral triangle & muscles) AN15.2 , AN15.3 Describe and demonstrate boundaries, floor, roof and contents of femoral triangle AN15.4 Explain anatomical basis of Psoas abscess &Femoral hernia	Lec: Anterior compartment of thigh-III (Nerves & vessels) AN15.1, AN15.5 Describe and demonstrate adductor canal with its content	PY8.4 Describe function test Thyroid gland, Adrenal gland, Adrenal medulla and pancreas	PY7.3.1: Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption, and secretion; concentration and dilution mechanism	Lec: Posterior compartment of thigh AN16.4 Describe and demonstrate the hamstrings group of muscles with their attachment, nerve supply and actions	Formative assessment

09-10 AM	Demo: Special features of femur AN14.2 , AN14.3 Describe the importance of ossification of lower end of femur	Demo- Femoral triangle & contents AN15.3, AN15.4 Demo- Femoral	Bi 2.4 Describe and discuss the clinical utility of various serum enzymes as Biochemical markers of common pathological conditions Hepatobiliary system c) Pancreatitis d) Evaluate digestive process student seminar	Lec: Gluteal region AN16.1 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of gluteal region AN16.2 Describe anatomical basis of sciatic nerve injury during gluteal intramuscular injections AN16.3 Explain the anatomical basis of Trendelenburg sign	PY8.5 Describe the metabolic and endocrine consequences of obesity and metabolic syndrome, stress response. Outline the psychiatry component pertaining to metabolic syndrome	Demo: Patella AN14.1, AN14.2

10-11 AM	Diss: Anterior compartment of thigh AN15.2, AN15.3	triangle & contents AN15.3, AN15.4	Lec: Medial compartment of thigh AN15.2	Diss: Medial compartment of thigh AN15.2	Bi 2.4 Describe and discuss the clinical utility of various serum enzymes as Biochemical markers of common pathological conditions Bone diseases Chat with ortho department	PY7.3.2: Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption, and secretion; concentration and dilution mechanism

11-12 PM	PY8.2.14 Describe the synthesis, secretion, transport, physiological action, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus Lecture 16 Endocrine pancreas (contd)	PY7.2: Describe the structure and function of juxta glomerular apparatus and role of renin angiotensin system	Demo: Special features of Hip bone AN14.2	Diss: Medial compartment of thigh AN15.2	Experimental Lab Batch A2 Stethography (Revision) PY 6.9 Haematology lab Batch A1 Examination of Sensory system PY 10.11	Experimental Lab Batch B2 Stethography (Revision) PY 6.9 Haematology lab Batch B1 Examination of Sensory system PY 10.11

12-01 PM	BI 2.4 Describe and discuss the clinical utility of various serum enzymes as Biochemical markers of common pathological conditions a) Myocardial infraction chat with clinician/cardiologist	AETCOM	Diss: Medial compartment of thigh AN15.2	Diss: Medial compartment of thigh AN15.2		

2-4PM	PSM: 3.2. Describe concepts of safe and wholesome water, sanitary sources of water, water purification process, water quality standards, concepts of water conservation, and rainwater harvesting	Experimental Lab Batch A1 Stethography (Revision) PY 6.9 Haematology lab Batch A2 Examination of Sensory system PY 10.11	Experimental Lab Batch B1 Stethography (Revision) PY 6.9 Haematology lab Batch B2 Examination of Sensory system PY 10.11	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Diss: Gluteal region AN16.1, AN16.2	
TIME	06.04.2020 Monday	07.04.20Tuesday	08.04.2020 Wednesday	09.04.2020 Thursday	10.04.2020 Friday	11.04.2020 Saturday

08-09 AM	HOLIDAY	Lec: Popliteal fossa AN16.6 Describe and demonstrate the boundaries, roof, floor, contents and relations of popliteal fossa	PY7.3.3: Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption, and secretion; concentration and dilution mechanism Bi 3.2 Describe the function of carbohydrate as energy fuel, structural element and storage in the human body. **Bi SLO B3.2.1:** Should be able to describe role of carbohydrate as energy fuel in different cells/organ and in different state (like well-fed/fasting/ exercise/cancer etc.) Clinical case	PY4.1 Describe the structure and functions of digestive system	**HOLIDAY**	Self-directed learning BI 2.3 Poison and drug in enzymes inhibition

09-10 AM		Demo: General features of tibia & fibula AN14.1 , AN14.2	discussion Diss./ Demo: Popliteal fossa	Lec: Hip Joint AN17.1 Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the hip joint AN17.2 Describe anatomical basis of complications of fracture neck of femur AN17.3 Describe dislocation of hip joint and surgical hip replacement		Diss./ Demo: Popliteal fossa AN16.6 Diss:Posterior compartment of thigh AN16.4

10-11 AM			AN16.6 Diss:Posterior compartment of thigh AN16.4	Diss/Demo:Hip joint AN17.1 AN17.2 AN17.3		PY9.1.2:Describe and discuss sex determination ;sex differentiation and their abnormalities and outline psychiatry and practical implication of sex determination

11-12 PM		**PY9.1.1:Describe and discuss sex determination ;sex differentiation and their abnormalities and outline psychiatry and practical implication of sex determination**	Diss:Posterior compartment of thigh AN16.4	Diss/Demo:Hip joint AN17.1 AN17.2 AN17.3		Experimental Lab Batch B2 Perimetry PY 10.20 Haematology lab Batch B1 Examination of Motor system PY 10.11

12-01 PM		AETCOM	Experimental Lab Batch B2 Perimetry PY 10.20	Demo: Special features of tibia & fibula AN14.2 Identify & describe joints formed by the given bone AN14.3 Describe the importance of ossification of upper end of tibia		

02-4PM		Experimental Lab Batch A1 Perimetry PY 10.20 Haematology lab Batch A2 Examination of Motor system PY 10.11	Haematology lab Batch B1 Examination of Motor system PY 10.11 Experimental Lab Batch B1 Perimetry PY 10.20 Haematology lab Batch B2 Examination of Motor system PY 10.11	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure		

TIME	13.04.2020 Monday	14.04.2020 Tuesday	15.04.2020 Wednesday	16.04.2020 Thursday	17.04.2020 Friday	18.04.2020 Saturday

08-09 AM	Lec: Knee joint AN18.4 Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the knee joint AN18.5 Explain the anatomical basis of locking and unlocking of the knee joint AN18.6 Describe knee joint injuries with its applied anatomy AN18.7 Explain anatomical basis of Osteoarthritis	Lec: Front of leg & dorsum of foot AN18.1 Describe and demonstrate major muscles of anterolateral compartment of leg with their attachment, nerve supply and actions AN18.2 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior compartment of leg AN18.3 Explain the anatomical basis of foot drop	PY9.2.1: Describe and discuss puberty:onset, progression, stages; early and delayed puberty and outline adolescent clinical and psychological association	PY7.3.5: Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption, and secretion; concentration and dilution mechanism	Lec: Arches of foot AN19.5 Describe factors maintaining importance arches of the foot with its importance AN19.6 Explain the anatomical basis of Flat foot & Club foot	Self-directed learning BI 5.5 Inborn errors of metabolism

09-10 AM	Diss/Demo: Knee joint AN18.4 AN18.5 AN18.6 AN18.7	Demo: Articulated foot I AN20.1 Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply of tibiofibular and ankle joint AN20.2 Describe the subtalar and transverse tarsal joints AN19.5 Describe factors maintaining importance arches of the foot with its importance AN19.6 Explain the anatomical basis of Flat foot & Club foot	BI 3.9 Discuss and interpret laboratory results of analytes associated with metabolism of carbohydrates and disorder of carbohydrate metabolism GTT/OGTT and GDM **(Vertical integration session with OBG)**	Lec: Sole of foot AN19.4 Explain the anatomical basis of rupture of calcaneal tendon AN19.7 Explain the anatomical basis of Metatarsalgia & Plantar fasciitis AN20.7 Identify and demonstrate sustentaculum tali, tuberosity of fifth metatarsal, tuberosity of the Navicular AN20.2 Describe the subtalar and transverse tarsal joints AN19.4 Explain the anatomical basis of rupture of calcaneal tendon AN20.1 Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply of tibiofibular and ankle joint	PY4.2.2 Describe the composition, mechanism of secretion, functions, and regulation of saliva, gastric, pancreatic, intestinal juices and bile secretion	Lec-Demo: Overview of nerves of lower limb AN18.2 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior compartment of leg AN19.2 Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of leg AN19.2 Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of leg AN18.3 Explain the anatomical basis of foot drop

10-11 AM	Diss/Demo: Knee joint AN18.4 AN18.5 AN18.6 AN18.7	Diss: Front of leg and dorsum of foot AN18.1 AN18.2 AN18.3	Lec:Medial, Lateral and Posterior compartment of leg AN19.1 Describe and demonstrate the major muscles of back of leg with their attachment, nerve supply and actions AN19.2 Describe and 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 AN20.2 Describe the subtalar and transverse tarsal joints AN19.4 Explain the anatomical basis of rupture of calcaneal tendon	Diss: Lateral and Posterior compartment of leg AN19.1 Describe and demonstrate the major muscles of back of leg with their attachment, nerve supply and actions AN19.2 Describe and 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	BI 5.5 Interpret laboratory results of analytes associated with metabolism of amino acid and protein Inborn errors of metabolism **Vertical integration with medicine/pediatrics genetics**	PY7.3.6: Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption, and secretion; concentration and dilution mechanism

11-12 PM	PY4.2.1: Describe the composition, mechanism of secretion, functions, and regulation of saliva, gastric, pancreatic, intestinal juices and bile secretion PY9.2.2: Describe and discuss puberty:onset , progression, stages; early and delayed puberty and outline adolescent clinical and psychological association.	PY7.3.4: Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption, and secretion; concentration and dilution mechanism	Demo: Talus & Calcaneum AN20.7 Identify and demonstrate sustentaculum tali, tuberosity of fifth metatarsal, tuberosity of the Navicular	Diss: Lateral and Posterior compartment of leg AN19.1 Describe and demonstrate the major muscles of back of leg with their attachment, nerve supply and actions AN19.2 Describe and 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	Experimental Lab Batch A2 Perimetry PY 10.20 Haematology lab Batch A1 Examination of Motor system PY 10.11	Experimental Lab Batch B2 Perimetry (Revision) PY 10.20 Haematology lab Batch B1 Examination of Sensory and Motor system (Revision) PY 10.11

12-1	BI 3.9 Discuss and interpret laboratory results of analytes associated with metabolism of carbohydrates and disorder of carbohydrate metabolism **(Vertical integration session with Medicine/endocrinology)**	AETCOM	Diss: Diss: Front of leg and dorsum of foot AN18.1 Describe and demonstrate major muscles of anterolateral compartment of leg with their attachment, nerve supply and action AN18.2 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior compartment of leg AN18.3 Explain the anatomical basis of foot drop	Diss: Lateral and Posterior compartment of leg AN19.1 Describe and demonstrate the major muscles of back of leg with their attachment, nerve supply and actions AN19.2 Describe and 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	Experimental Lab Batch A2 Perimetry PY 10.20 Haematology lab Batch A1 Examination of Motor system PY 10.11	Experimental Lab Batch B2 Perimetry (Revision) PY 10.20 Haematology lab Batch B1 Examination of Sensory and Motor system (Revision) PY 10.11

02-4PM	PSM:3.3. Describe the etiology and basis of water borne diseases, jaundice, hepatitis, diarrheal diseases	Experimental Lab Batch A1 Perimetry (Revision) PY 10.20 Haematology lab Batch A2 Examination of Sensory and Motor system (Revision) PY 10.11	Experimental Lab Batch B1 Perimetry (Revision) PY 10.20 Haematology lab Batch B2 Examination of Sensory and Motor system (Revision) PY 10.11	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Demo:Arches of foot AN19.5 Describe factors maintaining importance arches of the foot with its importance AN19.6 Explain the anatomical basis of Flat foot & Club foot Diss: Sole of foot AN19.4 Explain the anatomical basis of rupture of calcaneal tendon AN19.5 Describe factors maintaining importance arches of the foot with its importance AN19.6 Explain the anatomical basis of Flat foot & Club foot AN19.7 Explain the anatomical basis of Metatarsalgia & Plantar fasciitis	

TIME	20.04.2020 Monday	21.04.2020 Tuesday	22.04.2020 Wednesday	23.04.2020 Thursday	24.04.2020 Friday	25.04.2020 Saturday

08-09 AM	Lec-Demo: Overview of nerves of lower limb AN18.2 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior compartment of leg AN19.2 Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of leg AN18.3 Explain the anatomical basis of foot drop	Lec-Demo:Overview of arteries, veins and lymphatic drainage of lower limb AN20.5 Explain anatomical basis of varicose veins and deep vein thrombosis AN20.8 Identify & demonstrate palpation of femoral, popliteal, post tibial, anti tibial& dorsalis pedis blood vessels in a simulated environment AN20.9 Identify & demonstrate Palpation of vessels (femoral, popliteal,dorsalispedis,post tibial), Mid inguinal point, Surface projection of: femoral nerve, Saphenous opening, Sciatic, tibial, common peroneal &deep peroneal nerve, Great and small saphenous veins AN20.4 Explain anatomical basis of enlarged inguinal lymph nodes	PY7.3.8: Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption, and secretion; concentration and dilution mechanism	PY.4.3.1: Describe GIT movements, regulation and functions. Describe defecation reflex. Explain role of dietary fibre	Revision: Soft parts (Lower Limb)	Biochemistry Revision

		AN20.3 Describe and demonstrate Fascia lata, Venous drainage, Lymphatic drainage, Retinacula & Dermatomes of lower limb				

09-10 AM	Digital Displayer: BELOW KNEE	Demo: Small joints of foot AN20.2 Describe the subtalar and transverse tarsal joints AN19.7 Explain the anatomical basis of Metatarsalgia & Plantar fasciitis AN18.7 Explain anatomical basis of Osteoarthritis	Biochemistry Revision	Demo: Surface Anatomy and Radiology AN20.6 Identify the bones and joints of lower limb seen in anteroposterior and lateral view radiographs of various regions of lower limb AN20.7 Identify & demonstrate important bony landmarks of lower limb: -Vertebral levels of highest point of iliac crest, posterior superior iliac spines, iliac tubercle, pubic tubercle, ischial tuberosity, adductor tubercle, -Tibial tuberosity, head of fibula, -Medial and lateral malleoli, Condyles of femur and tibia, sustentaculum tali, tuberosity of fifth metatarsal, tuberosity of the navicular	PY7.3.9: Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption, and secretion; concentration and dilution mechanism	Revision: Hard parts (Lower Limb)

10-11 AM	Diss: Sole of foot AN19.4 Explain the anatomical basis of rupture of calcaneal tendon AN19.5 Describe factors maintaining importance arches of the foot with its importance AN19.6 Explain the anatomical basis of Flat foot & Club foot AN19.7 Explain the anatomical basis of Metatarsalgia & Plantar fasciitis	Revision: Soft parts (Lower Limb)	Lec: Radiology& Surface Anatomy AN20.6 Identify the bones and joints of lower limb seen in anteroposterior and lateral view radiographs of various regions of lower limb AN20.7 Identify & demonstrate important bony landmarks of lower limb: -Vertebral levels of highest point of iliac crest, posterior superior iliac spines, iliac tubercle, pubic tubercle, ischial tuberosity, adductor tubercle, -Tibial tuberosity, head of fibula, -Medial and lateral malleoli, Condyles of femur and tibia, sustentaculum tali, tuberosity of fifth metatarsal, tuberosity of the navicular	Demo: Surface Anatomy and Radiology AN20.6 Identify the bones and joints of lower limb seen in anteroposterior and lateral view radiographs of various regions of lower limb AN20.7 Identify & demonstrate important bony landmarks of lower limb: -Vertebral levels of highest point of iliac crest, posterior superior iliac spines, iliac tubercle, pubic tubercle, ischial tuberosity, adductor tubercle, -Tibial tuberosity, head of fibula, -Medial and lateral malleoli, Condyles of femur and tibia, sustentaculum tali, tuberosity of fifth metatarsal, tuberosity of the navicula	Biochemistry Revision	PY9.3.1: Describe male reproductive system: functions of testis and control of spermatogenesis & factors modifying it and outline its association with psychiatric illness

11-12 PM	PY7.3.7: Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption, and secretion; concentration and dilution mechanism	PY9.2.2:Describe and discuss puberty:onset, progression, stages; early and delayed puberty and outline adolescent clinical and psychological association	Revision: Joints of lower Limb	Revision: Soft parts (Lower Limb)	Experimental Lab Batch A2 Revision Haematology lab Batch A1 Revision	Experimental Lab Batch B2 Revision Haematology lab Batch B1 Revision
12-01 PM	Biochemistry Revision	AETCOM	Revision: Joints of lower Limb	Revision: Soft parts (Lower Limb)		
02-4PM	Sports	Experimental Lab Batch A1	Experimental Lab	Small group discussion/	Revision: Soft parts (Lower Limb)	

		Revision Haematology lab Revision Batch A2	Batch B1 Revision Haematology lab Batch B2 Revision	Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Revision: Hard parts (Lower Limb)	
TIME	27.04.2020 Monday	**********	**********	**********	**********	**********
08-09 AM	**MID- TERMINAL-II EXAMINATION**					
09-10 AM						
10-11 AM						
11-01 PM						
02-4PM						

Time	Monday 04.05.20	Tuesday 05.05.20	Wednesday 06.05.20	Thursday 07.05.20	Friday 08.05.20	Saturday 09.05.20
8-9am	2ND TERMINAL EXAMINATION				Lec: Introduction to Abdomen , In situ relation of Abdominal viscera AN44.1 Describe& demonstrate the Planes (transpyloric, transtubercular, subcostal, lateral vertical, linea alba, linea semilunaris) regions & Quadrants of abdomen.	
9-10am					PY4.3.2: Describe GIT movements, regulation and functions. Describe defecation reflex. Explain role of dietary fibre	Demo: Hip bone (Relevant to Abdomen) AN53.1 Identify & hold the bone in the anatomical position Describe the salient features, articulations & demonstrate the attachments of muscle groups
10-11am						PY7.4.1: Describe and discuss the significance and implications of renal clearance.
11-12am					Experimental Lab Batch A2	Experimental Lab Batch B2
12-1pm					CPCR PY 11.14 Haematology lab Batch A1	CPCR PY 11.14 Haematology lab

		Reflexes PY 10.11 Batch B1. B2 Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Batch B1 Reflexes PY 10.11 Batch A1. A2 Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure
2-3pm		Demo: Bony landmarks, Planes, Abdominal quadrants AN44.1 Describe &demonstrate the Planes (transpyloric, transtubercular, subcostal, lateral vertical, linea alba, linea semilunaris) regions & Quadrants of abdomen.	
3-4pm			

Time	Monday 11.05.20	Tuesday 12.05.20	Wednesday 13.05.20	Thursday 14.05.20	Friday 15.05.20	Saturday 16.05.20

8-9am	Lec: Anterior Abdominal Wall- I. AN44.2 Describe& identify the Fascia, nerves & blood vessels of anterior abdominal wall. AN44.3 Describe the formation of rectus sheath and its contents AN44.6 Describe& demonstrate attachment of muscles of anterior abdominal wall	Lec: Histology (Stomach) AN52.13 Describe& identify the microanatomical features of Fundus and Pylorus of stomach	PY7.5.1: Describe the renal regulation of fluid and electrolytes and acid-base balance.	PY4.4.1: Describe the physiology of digestion and absorption of nutrients.	Lec: Peritoneum. AN47.1 Describe & identify boundaries and recesses of Lesser & Greater sac.	SDL BI8: Nutrition

9-10am	Demo: Lumbar vertebrae	Diss: Anterior Abdominal Wall. AN44.2 AN44.3 AN44.6	BI 4.6 Interpret laboratory results of analytes associated with metabolism of lipids. **Debate on role cholesterol in heath and diseases**	Lec- Inguinal Region & Testis. AN44.4 Describe & demonstrate extent, boundaries, contents of inguinal canal including Hasselbach's triangle AN46.1 Describe & demonstrate coverings, internal structure, side determination, blood supply, nerve supply, lymphatic drainage & descent of testis with its applied anatomy AN46.2 Describe parts of Epididymis AN46.3 Describe Penis under following headings: parts, components, blood supply and lymphatic drainage AN46.4 Explain the anatomical basis of Varicocele AN46.5 Explain the anatomical basis of Phimosis & Circumcision. AN44.5 Explain the anatomical basis of inguinal hernia	PY7.5.2: Describe the renal regulation of fluid and electrolytes and acid-base balance.	Demo: Testis 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

10-11am	Demo: Lumbar vertebrae		Lec: Anterior Abdominal Wall- II. AN44.2 AN44.3 AN44.6	SDL: Hip Bone, lumbar vertebrae and anterior abdominal wall	BI 8.6 Summarize the nutritional importance of commonly used items of food including fruits and vegetables (macro-molecules & its importance) **(vertical integration with PSM department)**	PY9.4.1: Describe female reproductive system:(a) functions of ovary and its control;(b) menstrual cycle-hormonal, uterine and ovarian changes.
11-12am	PY7.4.2: Describe and discuss the significance and implications of renal clearance.	PY9.3.2 Describe male reproductive system:functions of testis and control of spermatogenesis & factors modifying it and outline its association with psychiatric illness	Prac: Histo (Batch A) /Diss: Anterior Abdominal Wall (Batch B & C) Diss: AN44.2 AN44.3 AN44.6 Histo: 52.13	Prac: Histo (Batch B) Diss: Anterior Abdominal Wall (Batch C & A) Diss: AN44.2 AN44.3 AN44.6 Histo: 52.13	Experimental Lab Batch A2 CPCR (Revision) PY 11.14 Haematology lab Batch A1 Reflexes (Revision) PY 10.11	Experimental Lab Batch B2 CPCR (revision) PY 11.14 Haematology lab Batch B1 Reflexes (Revision) PY 10.11
12-1pm	BI 4.6 Interpret laboratory results of analytes associated with metabolism of lipids. **(Vertical integration session with Medicine/Cardiology)**	AETCOM				

2-3pm	PSM:3.4. Describe the concept of solid waste, human excreta and sewage disposal	Experimental Lab Batch A1 CPCR PY 11.14 Haematology lab Batch A2 Reflexes PY 10.11	Experimental Lab Batch B1 CPCR PY 11.14 Haematology lab BatchB2 Reflexes PY 10.11	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Prac:Histo (Batch C), Diss: Anterior Abdominal Wall (Batch B & A) Diss: AN44.2 AN44.3 AN44.6 Histo: 52.13	
3-4pm	PSM:3.4. Describe the concept of solid waste, human excreta and sewage disposal					

Time	Monday 18.05.20	Tuesday 19.05.20	Wednesday 20.05.20	Thursday 21.05.20	Friday 22.05.20	Saturday 23.05.20

8-9am	Lec: Stomach & Coeliac Axis. AN47.5 AN47.6.1 Explain the anatomical basis of different types of vagotomy& lymphatic spread in carcinoma stomach	Lec: Histology (Small Intestine & Large Intestine) AN52.14 Describe & identify the microanatomical features of duodenum AN52.15 Describe & identify the microanatomical features of Jejunum AN52.16 Describe & identify the microanatomical features of ileum AN52.17 Describe & identify the microanatomical features of large intestine AN52.18 Describe & identify the microanatomical features of appendix	PY9.4.2: Describe female reproductive system:(a) functions of ovary and its control;(b) menstrual cycle-hormonal, uterine and ovarian changes	PY7.5.4: Describe the renal regulation of fluid and electrolytes and acid-base balance.	Lec: Colon & appendix. AN47.5 AN47.6.8 Explain the anatomical basis of referred pain around umbilicus	HOLIDAY (Eid ul Fitr)

9-10am	Demo: Stomach & Coeliac Axis. AN47.5 AN47.6.1	Diss: Stomach & Coeliac Axis AN47.5 AN47.6.1	BI 9.1 Describe the hormones synthesized from kidney, thyroid, pituitary and adrenal glands SGD with PBL/case discussion	Lec: Small Intestine II. AN47.5	PY4.5.1: Describe the source of GIT hormones, their regulation and functions	
10-11am	Demo: Peritoneum AN47.1 Describe &identify boundaries and recesses of Lesser & Greater sac		Lec: Small Intestine I (Duodenum). AN47.5	Demo: Colon & appendix. AN47.5 AN47.6.7 Explain the anatomical basis of referred pain around umbilicus	BI 9.1 Describe the hormones synthesized from kidney, thyroid, pituitary and adrenal glands SGD with PBL/case discussion	
11-12am	PY4.4.2: Describe the physiology of digestion and absorption of nutrients.	PY7.5.3: Describe the renal regulation of fluid and electrolytes and acid-base balance.	Prac: Histo (Batch A) /Diss: Intestine (Batch B & C) Diss: AN 47.5 HISTO: AN 52.14 TO 54.18	Prac: Histo (Batch B), Diss: Intestine (Batch C &A) Diss: AN 47.5 HISTO: AN 52.14 TO 54.18	Experimental Lab Batch A2 Examination of Cranial nerves (I and V) PY 10.11, PY 10.20 Haematology lab Batch A1 Examination of Cranial nerves (II, III, IV and VI) PY 10.11, PY 10.20	
12-1pm	BI 9.1 Describe the hormones synthesized from kidney, thyroid, pituitary and adrenal glands SGD with PBL/case discussion	AETCOM				

2-3pm	Sports	Experimental Lab Batch A1 Examination of Cranial nerves (I and V) PY 10.11, PY 10.20 Haematology lab Batch A2 Examination of Cranial nerves (II, III, IV and VI) PY 10.11, PY 10.20	Experimental Lab Batch B1 Examination of Cranial nerves (I and V) PY 10.11, PY 10.20 Haematology lab Batch B2 Examination of Cranial nerves (II, III, IV and VI) PY 10.11, PY 10.20	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Prac: Histo (Batch C), Diss: Intestine (Batch B &A) Diss: AN 47.5 HISTO: AN 52.14 TO 54.18	
3-4pm	Sports					

Time	Monday 25.05.20	Tuesday 26.05.20	Wednesday 27.05.20	Thursday 28.05.20	Friday 29.05.20	Saturday 30.05.20

8-9am	Lec: Spleen AN47.5	Lec: Histology (Liver, Pancreas & Gall Bladder) AN52.19 Describe & identify the microanatomical features of liver AN52.110 Describe & identify the microanatomical features of pancreas AN52.111 Describe & identify the microanatomical features of gall bladder	PY7.7: Describe artificial kidney, dialysis and renal transplantation.	PY4.5.2: Describe the source of GIT hormones, their regulation and functions	Lec: Blood supply of GIT. AN47.9 Describe & identify the origin, course, important relations and branches of Abdominal aorta, Coeliac trunk, Superior mesenteric artery, Inferior mesenteric & common iliac artery	Student seminar on immunology
9-10am	Diss/ Demo: Spleen AN47.5	Lec: Liver AN47.5 AN47.6.3 Explain the anatomical basis of Liver biopsy (site of needle puncture), referred pain in cholecytitis, obstructive jaundice	BI 9.7 Describe the role of oxidative stress in the pathogenesis of conditions such as cancer, complications of diabetes mellitus and atherosclerosis **(Vertical integration**	Lec: Gall bladder, Pancreas & Extrahepatic billiary apparatus. AN47.5 AN47.6.5 AN47.7	PY7.8: Describe and discuss renal function test.	SDL: Colon, Liver, spleen, pancreas and extra hepatic biliary apparatus

			with pathology department).			
10-11am	Prac: SDL (Stomach, coeliac axis and small intestine)	Demo: Liver AN47.5 AN47.6.3	Demo: Liver AN47.5 AN47.6.3	Demo: Gall bladder, Pancreas & Extrahepatic billiary apparatus. AN47.5 AN47.6.5 AN47.7	Student seminar on immunology	PY9.6: Enumerate the contraceptive methods of male and female .Discuss their advantages & disadvantages
11-12am	PY7.6: Describe the innervations of urinary bladder, physiology of micturition and its abnormalities.	PY9.5: Describe and discuss the physiological effects of sex hormones	Prac:Histo (Batch A), Diss: Intestine, Liver and extra hepatic biliary apparatus (Batch B & C) DISS: AN 47.5 AN 47.6.3 AN 47.6.5 referred pain in cholecytitis, obstructive jaundice AN 47.7 Mention clinical	Prac:Histo (Batch B), Diss:Intestine, Liver and extra hepatic biliary apparatus (Batch C & A) DISS: AN47.5 AN 47.6.3 AN 47.6.5 AN 47.7 HISTO: AN 52.19 AN 52.110 AN 52.111	Experimental Lab Batch A2 Examination of Cranial nerves (I and V) (Revision) PY 10.11, PY 10.20 Haematology lab Batch A1 Examination of Cranial nerves (II, III, IV and VI) (Revision) PY 10.11, PY 10.20	Experimental Lab Batch B2 Examination of Cranial nerves (I and V) PY 10.11, PY 10.20 Haematology lab Batch B1 Examination
12-1pm	BI 9.4 Describe various biochemical tumor markers and the biochemical basis of cancer therapy. **(Vertical integration with radiotherapy)**	AETCOM				

			significance of Calot's triangle HISTO: 52.19 AN 52.110 AN 52.111			of Cranial nerves (II, III, IV and VI) PY 10.11, PY 10.20
2-3pm	PSM:3.5. Describe the standards of housing and effects of housing on health	Experimental Lab Batch A1 Examination of Cranial nerves (I and V) (Revision) PY 10.11, PY 10.20 Haematology lab Batch A2 Examination of Cranial nerves (II, III, IV and VI) (Revision) PY 10.11, PY 10.20	Experimental Lab Batch B1 Examination of Cranial nerves (I and V) (Revision) PY 10.11, PY 10.20 Haematology lab Batch B2 Examination of Cranial nerves (II, III, IV and VI) (Revision) PY 10.11, PY 10.20	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Prac: Histo (Batch C), Diss: Intestine, Liver and extra hepatic biliary apparatus (Batch A & B) DISS: AN47.5 AN 47.6.3 AN 47.6.5 AN 47.7 HISTO: AN 52.19 AN 52.110 AN 52.111	
3-4pm	PSM:3.5. Describe the standards of housing and effects of housing on health					

Time	Monday 01.06.20	Tuesday 02.06.20	Wednesday 03.06.20	Thursday 04.06.20	Friday 05.06.20	Saturday 06.06.20

8-9am	Lec: Kidney & Ureter AN47.5 AN47.6.9 Explain the anatomical basis of radiating pain of Kidney to groin	Lec: Histology (Kidney, Ureter, Urinary Bladder) AN52.21 Describe& identify the microanatomical features kidney AN52.22 Describe & identify the microanatomical features of: Ureter AN52.23 Describe & identify the microanatomical features of: Urinary Bladder	PY9.7: Describe and discuss the effects of removal of gonads on physiological functions	PY4.7: Describe & discuss the structure and functions of liver and gall bladder	Lec: Posterior Abdominal wall. AN47.9 Describe & identify the origin, course, important relations and branches of Abdominal aorta, Coeliac trunk, Superior mesenteric artery, Inferior mesenteric & common iliac artery AN45.1 Describe thoracolumbar fascia AN45.2 Describe & demonstrate Lumbar plexus for its root value, formation & branches AN45.3 Mention the major subgroups of back muscles, nerve supply & action AN47.12 Describe important nerve plexuses of posterior abdominal wall	BI 8.2 Describe the types and causes of protein energy malnutrition and its effects. **Vertical integration with pediatrics and early clinical exposure**

9-10am	Demo: Kidney, Ureter & Suprarenal gland. AN47.5 AN47.6.9 Explain the anatomical basis of radiating pain of Kidney to groin	Lec: Embryology GIT- I AN52.6 Describe the development and congenital anomalies of : Foregut, Midgut & Hindgut	BI 8.2 Describe the types and causes of protein energy malnutrition and its effects. **Vertical integration with pediatrics and early clinical exposure**	Lec: Embryology GIT- III AN52.6	PY9.8: Describe and discuss the physiology of pregnancy parturition & lactation and outline the psychology and psychiatry-disorders associated with it.	SDL: Kidney, ureter, posterior abdominal wall
10-11am		Demo: Lymphatic drainage and blood supply of Abdomen AN47.9	Lec: Embryology GIT- II AN52.6	Diss: Kidney & Ureter/ Post abdominal wall	BI 8.2 Describe the types and causes of protein energy malnutrition and its effects. **Vertical integration with pediatrics and early clinical exposure**	PY4.8.1: Describe & discuss gastric function tests, pancreatic exocrine function tests & liver function tests
11-12am	PY4.6: Describe the Gut-Brain Axis	PY7.9: Describe cystometry and discuss the normal cystometrogram.	Prac: Histo (Batch A), Embryology (Batch B), Diss: Posterior abdominal wall (Batch C) DISS: AN45.1 AN45.2 AN45.3 AN47.9 AN47.12 HISTO: AN52.21	Prac: Histo (Batch B),Embryology (Batch C) Diss: Posterior abdominal wall (Batch A) DISS: AN45.1 AN45.2 AN45.3 AN47.9 AN47.12 HISTO: AN52.21 AN52.22 AN52.23	Experimental Lab Batch A2 Examination of Cranial nerves (VII and VIII) PY 10.11, PY 10.16, PY 10.20 Haematology lab Batch A1 Examination of Cranial nerves (IX-XII) PY 10.11, PY 10.20	Experimental Lab Batch B2 Examination of Cranial nerves (VII and VIII) PY 10.11, PY 10.16 PY 10.20 Haematology lab Batch B1 Examination of
12-1pm	BI 8.2 Describe the types and causes of protein energy malnutrition and its effects.	AETCOM				

	Vertical integration with pediatrics and early clinical exposure		AN52.22 AN52.23 EMBRYO: AN52.6	EMBRYO: AN52.6		Cranial nerves (IX-XII) PY 10.11, PY 10.20
2-3pm	Sports	Experimental Lab Batch A1 Examination of Cranial nerves (VII and VIII) PY 10.11, PY 10.20 PY 10.16 Haematology lab Batch A2 Examination of Cranial nerves (IX-XII) PY 10.11, PY 10.20	Experimental Lab Batch B1 Examination of Cranial nerves (VII and VIII) PY 10.11, PY 10.20, PY 10.16 Haematology lab Batch B2 Examination of Cranial nerves (IX-XII) PY 10.11, PY 10.20	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Prac: Histo (Batch C), Embryology (Batch A), Diss Posterior abdominal wall (Batch B) DISS: AN45.1 AN45.2 AN45.3 AN47.9 AN47.12 HISTO: AN52.21 AN52.22 AN52.23 EMBRYO: AN52.6	
3-4pm	Sports					

Time	Monday 08.06.20	Tuesday 09.06.20	Wednesday 10.06.20	Thursday 11.06.20	Friday 12.06.20	Saturday 13.06.20

8-9am	Lec: Surface Anatomy and radiology of Abdomen. AN55.1 Demonstrate the surface marking of regions and planes of abdomen, superficial inguinal ring, deep inguinal ring, Mc Burney's point, Renal angle & Murphy's point AN55.2 Demonstrate the surface projection of: Stomach, Liver, Fundus of gall bladder, Spleen, Duodenum, Ileocaecal junction, Kidneys & Root of mesentery AN54.1 Describe& identify features of plain X ray abdomen AN54.2 Describe& identify the special radiographs of abdominopelvic region (contrast X ray Barium meal, Barium enema, Cholecystography, Intravenous pyelography & Hysterosalpingography) AN54.3 Describe role of ERCP, CT abdomen, MRI, Arteriography in radiodiagnosis of abdomen AN25.8 Identify and describe in brief a barium swallow	Lec: Histology (Male Reproductive System) AN52.24 Describe & identify the microanatomical features of Testis AN52.25 Describe & identify the microanatomical features of: Epididymis AN52.26 Describe& identify the microanatomical features of: Vas deferens AN52.27 Describe& identify the microanatomical features of Prostate	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	PY4.9.1: Discuss the physiology aspects of: peptic ulcer, gastrooesophageal reflux disease, vomiting, diarrhoea, constipation, Adynamic ileus, Hirschsprung's disease PY4.10: Demonstrate the correct clinical examination of the abdomen in a normal volunteer or simulated environment	Lec: Introduction of Pelvis & Pelvic Peritoneum AN50.1 Describe the curvature of the vertebral column AN53.3 Define true pelvis and false pelvis & demonstrate sex determination in male & female bony pelvis AN53.4 Explain and demonstrate clinical importance of bones of abdominopelvic region (sacralisation of lumbar vertebra, Lumbarisation of 1st sacral vertebra, types of bony pelvis & coccyx)	BI 6.3 Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders. Early clinical exposure with lab visit **(Vertical integration with medicine/anesthesia ICU)**

9-10am	Demo: Surface Anatomy and radiology of Abdomen AN55.1 AN55.2 AN54.1 AN54.2 AN54.3 AN25.8	Prac: Histo (Batch A), Diss (Batch B&C)-Sectional anatomy of abdomen	BI 6.3 Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders. Early clinical exposure with lab visit **(Vertical integration with medicine/anesthesia ICU)**	ABDOMEN STAGE	PY9.10: Discuss the physiological basis of various pregnancy tests	Lec: Pelvic Walls & Pelvic Diaphragm AN53.3 AN53.4
10-11am			Lec: Surgical Anatomy of Abdomen. AN44.7 Enumerate common Abdominal incisions.		BI 6.3 Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders. Early clinical exposure with lab visit **(Vertical integration with medicine/anesthesia ICU)**	PY4.9.2: Discuss the physiology aspects of: peptic ulcer, gastrooesophageal reflux disease, vomiting, diarrhoea, constipation, Adynamic ileus, Hirschsprung's disease
11-12am	PY9.8.2: Describe and discuss the physiology of pregnancy ,parturition & lactation and outline the psychology and psychiatry-disorders associated with it.	PY4.8.2: Describe & discuss gastric function tests, pancreatic exocrine function tests & liver function tests	Prac: Histo (Batch B), Diss (Batch A&C)-Sectional anatomy of abdomen. AN51.1 Describe & identify the cross-section at		Experimental Lab Batch A2 Reaction time (Auditory and Visual) PY 10.11	Experimental Lab Batch B2 Reaction time (Auditory and Visual)

12-1pm	BI 6.3 Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders. Early clinical exposure with lab visit **(Vertical integration with medicine/anesthesia ICU)**	AETCOM	the level of T8, T10 & T11.		Haematology lab Batch A1 Examination of Abdomen PY 4.10	PY 10.11 Haematology lab Batch B1 Examination of Abdomen PY 4.10
2-3pm	PSM:3.6. Describe the role of vectors in the causation of diseases 3.7. Identify and describe the identifying features and life cycles of vectors of Public Health importance and their control measures 3.8. Describe the mode of action, application of commonly used insecticides and rodenticides	Experimental Lab Batch A1 Reaction time (Auditory and Visual) PY 10.11 Haematology lab Batch A2 Examination of Abdomen PY 4.10	Experimental Lab Batch B1 Reaction time (Auditory and Visual) PY 10.11 Haematology lab Batch B2 Examination of Abdomen PY 4.10	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Demo: Bony pelvis AN50.1 AN53.1 Identify & hold bone in anatomical position. Describe the salient features, articulation &demonstrate the attachments of muscle groups AN53.2 Demonstrate the anatomical position of bony pelvis & show boundaries of pelvic inlet, pelvic cavity, pelvic outlet AN53.3 AN53.4	

3-4pm	PSM:3.6. Describe the role of vectors in the causation of diseases 3.7. Identify and describe the identifying features and life cycles of vectors of Public Health importance and their control measures 3.8. Describe the mode of action, application of commonly used insecticides and rodenticides					

Time	Monday (15.06.20)	Tuesday (16. 06.20)	Wednesday (17. 06.20)	Thursday (18. 06.20)	Friday (19. 06.20)	Saturday (20. 06.20)

8-9 am	Lec: Introduction to Perineum & Perineum – I AN48.1 Describe & identify the muscles of Pelvic diaphragm. AN48.2 Describe& demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) important male & female pelvic viscera AN49.1 Describe and demonstrate the superficial & deep perineal pouch (boundaries and contents) AN49.2 Describe& identify Perineal body	Lec : Histology female Reproductive System –I AN52.28 Describe & identify the microanatomical features of: Ovary AN52.29 Describe & identify the microanatomical features of: Fallopian Tube	Disscussion and summary of General Physiology	Disscussion and summary of Blood 1	Lec: Embryology -Urinary System AN52.7 Describe the development of Urinary system	BI 9.2 Describe the tests that are commonly done in clinical practice to assess the functions of kidney **(Vertical integration with Medicine and early clinical exposure with visit to dialysis unit)**

9-10 am	Demo: Bony pelvis & Pelvic Diaphragm AN48.1 AN50.1 Describe the curvature of the vertebral column AN53.1 Identify &hold bone in anatomical position. Describe the salient features, articulation & demonstrate the attachments of muscle groups AN53.2 AN53.3 AN53.4	Demo: Pelvic Peritoneum &disposition of Viscera. & Walls of Pelvis AN48.2 Describe &demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) important male & female pelvic viscera AN48.4 Describe the branches of sacral plexus	BI 9.2 Describe the tests that are commonly done in clinical practice to assess the functions of kidney **(Vertical integration with Medicine and early clinical exposure with visit to dialysis unit)**	Lec: Urinary Bladder AN48.2 AN48.5.1 Explain the anatomical basis of suprapubic cystostomy, urinary obstruction in bengin prostatic hypertrophy. AN48.6 Describe the neurological basis of Automatic bladder	Disscussion and summary of Blood 2	Lec: Embryology - Urinary System AN52.7

10-11am			Lec; Perineum-II & Ischiorectal fossa AN49.3 Describe and demonstrate perineal membrane in male and female AN49.4 Describe& demonstrate boundaries, contents & applied anatomy of Ischiorectal fossa	Demo: Urinary Bladder AN48.2	BI 9.2 Describe the tests that are commonly done in clinical practice to assess the functions of kidney **(Vertical integration with Medicine and early clinical exposure with visit to dialysis unit)**	Disscussion and summary of Nerve muscle physiology
11-12pm	PY9.11: Discuss the hormonal changes and their effects during peri-menopause and menopause	PY9.12: Discuss the common causes of infertility in a couple and role of IVF in managing a case of infertility.	Diss: Histo (Batch A), Diss. Ischiorectal fossa and perineum (Batch B & C) Diss : AN49.1 Describe and demonstrate the superficial & deep perineal pouch (boundaries and contents) AN49.2 AN49.3	Prac: Histo (Batch B),) Diss. Ischiorectal fossa and perineum Diss: AN49.1 AN49.2 AN49.3 Histo: AN52.28 AN52.29	Experimental Lab Batch A2 Demonstrate the Harvard step test and describe the impact on induced physiologic parameters in a simulated environment PY 3.16 Haematology lab Batch A1 Pregnancy diagnostic Test PY 9.10	Experimental Lab Batch B2 Demonstrate the Harvard step test and describe the impact on induced physiologic parameters in a simulated environment PY 3.16 Haematol
12-1pm	BI 9.2 Describe the tests that are commonly done in clinical practice to assess the functions of kidney	AETCOM	Histo: AN52.28 AN52.29			

	(Vertical integration with Medicine and early clinical exposure with visit to dialysis unit)				Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposur	ogy lab Batch B1 Pregnancy diagnostic Test PY 9.10 Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure

2-3pm	Sports	Experimental Lab Batch A1 Demonstrate the Harvard step test and describe the impact on induced physiologic parameters in a simulated environment PY 3.16 Haematology lab Batch A2 Pregnancy diagnostic Test PY 9.10	Experimental Lab Batch B1 Demonstrate the Harvard step test and describe the impact on induced physiologic parameters in a simulated environment PY 3.16 Haematology lab Batch B2 Pregnancy diagnostic Test PY 9.10	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Prac: Histo (Batch C), Diss. Perineum and Ischiorectal fossa (Batch B&A) Diss AN49.1 AN49.2 AN49.3 Histo: AN52.28 AN52.29	
3-4pm	Sports					

Time	Monday (22. 06.20)	Tuesday (23. 06.20)	Wednesday (24. 06.20)	Thursday (25. 06.20)	Friday (26. 06.20)	Saturday (27. 06.20)

8-9 am	Lec: Male Reproductive System AN48.2 AN48.5.1 AN.48.7: Mention the lobes involved on benign prostatic hypertrophy and prostatic cancer	Lec: Histology Female Reproductive System -II AN52.210 Describe & identify the microanatomical features of Uterus AN52.211 Describe & identify the microanatomical features of: Placenta AN52.212 Describe & identify the microanatomical features of: Umbilical cord AN52.213 Describe & identify the microanatomical features of Mammary gland	Disscussion and summary of Neurophysiology 1	Disscussion and summary of Neurophysiology 2	Lec : Female Reproductive System I AN48.2 AN48.5	Biochemistry Revision

9-10 am	Demo : Male Pelvic Viscera AN48.2	Dissection : Perineum AN49.1 AN49.2	Biochemistry Revision	Digital displayer Nerves, Vessels, Viscera	Disscussion and summary of Neurophysiology 3	Demo: Joints of Pelvis AN50.2 Describe & demonstrate the type, articular ends, ligaments and movements of Intervertebral joints, Sacroiliac joints & Pubic symphysis
10-11am	Demo: Sacrum AN50.1 AN53.4		Lec: Embryology- Male reproductive system AN52.8.1 Describe the development of male reproductive system	Lec: Embryology- Gonads & Female Ductal System AN52.8.2	Biochemistry Revision	Disscussion and summary of Neurophysiology 4

11-12pm	Disscussion and summary of Respiratory physiology	Disscussion and summary of Cardiovascular physiology	Histo -Batch A, Embryo : Batch B Diss and SDL: Perineum Batch C Histo: AN52.2.10 AN52.2.11 AN52.2.12 AN52.2.13 Diss: AN49.1 AN49.2	Histo B, Embryo-C, Diss and SDL: Perineum –A Histo: AN52.2.10 AN52.2.11 AN52.2.12 AN52.2.13 Diss: AN49.1 AN49.2	Experimental Lab Batch A2 Record arterial pulse tracing using finger plethysmography in a volunteer or simulated environment PY 5.16 Haematology lab Batch A1 Observe cardio-vascular autonomic function tests in a volunteer or simulated environment PY 5.14	Experimental Lab Batch B2 Record arterial pulse tracing using finger plethysmography in a volunteer or simulated environment PY 5.16 Haematology lab Batch B1 Observe cardio-vascular autonomic function tests in a volunteer or simulated environment PY 5.14
12-1pm	Biochemistry Revision	AETCOM				

2-3pm	PSM:4.1. Describe various methods of health education with their advantages and limitations 4.2. Describe the methods of organizing health promotion and education and counseling activities at individual, family and community settings	Experimental Lab Batch A1 Record arterial pulse tracing using finger plethysmography in a volunteer or simulated environment PY 5.16 Haematology lab BatchA2 Observe cardio-vascular autonomic function tests in a volunteer or simulated environment PY 5.14	Experimental Lab Batch B1 Record arterial pulse tracing using finger plethysmography in a volunteer or simulated environment PY 5.16 Haematology lab Batch B2 Observe cardio-vascular autonomic function tests in a volunteer or simulated environment PY 5.14	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	Histo C, Embryo-A, Diss and SDL: Perineum –B Histo: AN52.210 AN52.211 AN52.212 AN52.213 Diss: AN49.1 AN49.2	
3-4pm	PSM:4.1. Describe various methods of health education with their advantages and limitations 4.2. Describe the methods of organizing health promotion and education and counseling activities at individual, family and community settings					

Time	Monday (29. 06.20)	Tuesday (30. 06.20)	Wednesday (01.07.20)	Thursday (02. 07.20)	Friday (03. 07.20)	Saturday (4.07.20)

8-9 am	Lec: Female Reproductive System II AN48.2 AN48.5 AN48.8 Mention the structures palpable during vaginal & rectal examination	Lec: Rectum & Anal canal AN48.2 AN48.5 AN48.8 AN49.5 Explain the anatomical basis of Perineal tear, Episiotomy, Perianal abscess and Anal fissure	Disscussion and summary of Endocrine physiology 1	Discussion and summary of Endocrine physiology 2	Revision	Biochemistry Revision

9-10 am	Demo: Male & Female Pelvic Viscera AN48.2	Embryo : Batch A , Diss: Surface Anatomy & Radiology Batch (B &C) Radiology- Abdomen & Pelvis: AN54.2 Describe &identify the special radiographs of abdominopelvic region (contrast X ray Barium swallow, Barium meal, Barium enema, Cholecystography, Intravenous pyelography & Hysterosalpingography)	Biochemistry Revision	Lec: Nerves & vessels AN48.3 Describe & demonstrate origin, course, important relations and branches of internal iliac artery AN48.4	Disscussion and summary of Reproductive physiology 5	
10-11am			Lec: Radiology Abdomen & pelvis AN54.2	Demo: Nerves & vessels AN48.3	Biochemistry Revision	Disscussion and summary of gastrointestinal physiology

11-12pm	Disscussion and summary of Neurophysiology 5	Disscussion and summary of Renal physiology	Embryo : Batch B, Diss: Surface Anatomy & Radiology Batch (A & C) AN54.2	Embryo : Batch C , Diss: Surface Anatomy & Radiology Batch (A & B) AN54.2	Experimental Lab Batch A2 Revision PY 5.16 Haematology lab Batch A1 Revision	Experimental Lab BatchB2 Revision PY 5.16 Haematolog y lab Batch B1 Revision
12-1pm	Biochemistry Revision	AETCOM				
2-3pm	Sports	Experimental Lab Batch A1 Revision PY 5.16 Haematology lab Batch A2 Revision	Experimental Lab Batch B1 Revision PY 5.16 Haematology lab Batch B2 Revision	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure	SENT UP EXAM	
3-4pm	Sports					

Preparation leave: 6th to 11th July 2020
Sent-up Examination: 13th July-30th July 2020

Time	Monday (27. 06.20)	Tuesday (28. 06.20)	Wednesday (29.07.20)	Thursday (30. 07.20)	Friday (31. 07.20)	Saturday (1.08.20)
					Integrated revision teaching for anatomy, physiology and biochemistry	**Integrated revision teaching for anatomy, physiology and biochemistry**

					Integrated revision teaching for anatomy, physiology and biochemistry	**Integrated revision teaching for anatomy, physiology and biochemistry**
					Integrated revision teaching for anatomy, physiology and biochemistry	**Integrated revision teaching for anatomy, physiology and biochemistry**
					Integrated revision teaching for anatomy, physiology and biochemistry	**Integrated revision teaching for anatomy, physiology and biochemistry**
Time	Monday (3. 08.20)	Tuesday (4. 08.20)	Wednesday (5.08.20)	Thursday (6. 08.20)	Friday (7. 07.20)	Saturday (8.08.20)
	Integrated revision teaching for anatomy, physiology and biochemistry					
Time	Monday (10. 08.20)	Tuesday (11. 08.20)	Wednesday (12.08.20)	Thursday (13. 08.20)	Friday (14. 07.20)	Saturday (8.08.20)
	Integrated revision teaching for anatomy, physiology and biochemistry					