

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

ANATOMY	PHYSIOLOGY	BIOCHEMISTRY	HORIZONTAL INTEGRATION	VERTICAL INTEGRATION	AETCOM	PSM	SPORTS
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TIME	MONDAY 02.09.19	TUESDAY 03.09.19	WEDNESDAY 04.09.19	THURSDAY 05.09.19	FRIDAY 06.09.19	SATURDAY 07.09.19
8-9AM	Lec-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 of basement membrane & cell junctions	PY1.3 Describe intercellular communication (Vertical integration- Pathology) (horizontal integration)	PY1.5 Describe & discuss transport mechanism across cell membranes	Lec-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 and aponeurosis with examples AN3.3 Explain shunt and spurt muscles	BI6.2 Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids & the associated derangements (horizontal integration)
9-10AM	Lec Demo AN0 Cell (horizontal integration Physiology)	Lec-2 Anatomical Terminology AN1.2 Describe composition of bone & bone marrow	BI6.2 Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids & the associated derangements	Lec-4 General features of bone & joints II AN2.5 Describe various joints with subtypes and examples AN2.6 Explain the concept of nerve	PY1.7 Describe the concept of pH & buffer systems in the body (horizontal integration Biochemistry)	Demo – Muscle AN3.1-3.3

				supply of joints & Hilton's law		
10-11AM	<p>Demo: Anatomical Terminology</p> <p>AN1.1</p>	<p>Demo: Anatomical Terminology</p> <p>AN1.1 Demonstrate normal Anatomical position, various planes, relation, comparison, laterality & movement in our body</p> <p>AN1.2 Describe composition of bone and bone marrow</p>	<p>Lec-3 General features of bone and joints I.</p> <p>AN2.1 Describe parts, blood and nerve supply of a long bone</p> <p>AN2.2 Enumerate laws of ossification</p> <p>AN2.3 Enumerate special features of a sesamoid bone</p> <p>AN2.4 Describe various types of cartilage with its structures and distribution in body (Vertical integration-Orthopedics)</p>	<p>Demo- Joints</p> <p>AN2.5- 2.6 (Vertical integration-Orthopedics)</p>	<p>SGD</p> <p>BI6.3 Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders (Vertical integration-Medicine/ Anaesthesia ICU)</p>	<p>PY1.6 Describe the fluid compartment of the body, its ionic composition and measurement</p>
11-12PM	<p>PY1.1 Describe the structure and functions of a mammalian cell (Horizontal integration)</p>	<p>PY1.2 Describe and discuss the principles of homeostasis (Horizontal integration)</p>	<p>Demo: Bone: Batch B and C;</p> <p>AN2.1-2.6</p>	<p>Demo: Bone: Batch B and C;</p> <p>AN2.1-2.6</p>	<p>Haematology lab- Batch A1 Study of instruments</p> <p>PY2.11</p>	<p>Haematology lab- Batch B1 Study of instruments</p> <p>PY2.11</p>
12-1PM	<p>BI1.1 Describe the molecular and functional organisation of a cell and its subcellular components</p>	<p>AETCOM</p> <p>Cadaver as teacher</p>	<p>Batch A Histology;</p> <p>AN65.1-65.2</p>	<p>Batch A Histology;</p> <p>AN65.1-65.2</p>	<p>BATCH B2 Describe commonly used laboratory apparatus and equipments, good safe laboratory practice and waste disposal</p> <p>BI 11.1</p> <p>SGD: BATCH B1</p>	<p>BATCH A2 Describe commonly used laboratory apparatus and equipments, good safe laboratory practice and waste disposal</p> <p>BI11.1</p> <p>SGD: BATCH A1</p>

1-2PM	LUNCH					
2-4PM	PSM1.1 Define and describe the concept of public health PSM1.2 Define health, describe the concept of holistic health including concept of spiritual health and relativeness and determinants of health	Experimental lab-BATCH A1 Study of instruments PY3.18 Haematology lab-BATCH A2 Study of instruments PY2.11 BI11.1 BATCH B1 Describe commonly used laboratory apparatus and equipments, good safe laboratory practice and waste disposal SGD: BATCH B2	Experimental lab-BATCH B1 Study of instruments PY3.18 Haematology lab-BATCH B2 Study of instruments PY2.11 BI11.1 BATCH A1 Describe commonly used laboratory apparatus and equipments, good safe laboratory practice and waste disposal SGD: BATCH A2	Small group discussion/ Tutorial/ Integrated learning/ Self directed learning/ Early clinical exposure	Demo BATCH A & B AN2.1-2.6 BATCH C Histology AN65.1-65.2	

TIME	MONDAY 09.09.2019	TUESDAY 10.09.2019	WEDNESDAY 11.09.2019	THURSDAY 12.09.2019	FRIDAY 13.09.2019	SATURDAY 14.09.2019
8-9AM	Lec: General Histology Epithelium II AN65.1b Identify epithelium under the microscope & describe the various types that correlate to its function AN65.2b Describe the ultrastructure of	HOLIDAY	PY1.8.2 Describe & discuss the molecular basis of resting membrane potential & action potential in excitable tissue	PY1.9 Demonstrate the ability to describe & discuss the methods used to demonstrate the function of the cells and its products, its communications and their applications in clinical care & research (Horizontal integration)	Lec-8: General features of cardiovascular system AN5.1 differentiate between blood vascular and lymphatic system AN5.2 Differentiate between pulmonary &	L-4.1 BI5.2 Describe & discuss structure & organisation of protein with reference to myoglobin, haemoglobin & collagen along with associated disorders of defective formation

	epithelium (Horizontal integration)				systemic circulation AN5.3 List general differences between arteries and veins. AN5.4 Explain functional differences between elastic, muscular arteries and arterioles.	of proteins
9-10AM	Demo: Bone, joints & muscles AN2.1-3.3		L-3.2 BI5.1 Describe amino acids structure, classification & biological importance of amino acids, peptide & protein	Lec-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 anti oxidants.	Lec-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 (vertical integration-general medicine) AN5.7 Explain function of meta-arterioles, pre-capillary sphincters, arterio-venous anastomoses. AN5.8 Define thrombosis, infarction & aneurysm.

<p>10-11AM</p>	<p>Muscles</p> <p>AN2.1-3.3 (horizontal integration)</p>		<p>Lec-6: Skin & fascia I</p> <p>AN4.1 describe different types of skin & dermatomes in body</p> <p>AN4.2 Describe structure & function of skin with its appendages (Vertical integration dermatology)</p>	<p>Lec: General embryology I</p> <p>AN76.1 Describe the stages of human life</p> <p>AN76.2 Explain the terms- phylogeny, ontogeny, trimester, viability</p> <p>AN77.3 Describe spermatogenesis and oogenesis along with diagrams</p>	<p>SGD</p> <p>BI5.2: Describe & discuss structure & organisation of protein with reference to myoglobin, haemoglobin & collagen along with associated disorders of defective formation of proteins (Horizontal integration)</p>	<p>PY3.1 Describe the structure and functions of a neuron and neuroglia; Discuss Nerve Growth Factor & other growth factors/cytokines (Horizontal integration anatomy)</p>
<p>11-12PM</p>	<p>PY1.8.1 Describe and discuss the molecular basis of resting membrane potential and action potential in excitable tissue</p>		<p>AN4.1-4.5 Demo- Skin & Fascia (B & C)</p> <p>AN65.1 b-65.2 b Practical Histology- A Epithelium II</p>	<p>AN4.1-4.5 Demo- Skin & Fascia (A & C)</p> <p>AN65.1 b-65.2 b Practical Histology- B Epithelium II</p>	<p>Experimental Lab-Batch A2 Study of student physiograph electrical circuits for amphibian experiments & nerve-muscle preparation</p> <p>PY3.18</p> <p>Haematology lab-Batch A1 Collection of blood sample PY2.11</p>	<p>Experimental Lab-Batch B2 Study of student physiograph electrical circuits for amphibian experiments & nerve-muscle preparation</p> <p>PY3.18</p> <p>Haematology lab-Batch B1 Collection of blood sample PY2.11</p>

12-1PM	L-3.1 BI5.1 Describe amino acids structure, classification & biological importance of amino acids, peptide & protein				BI11.2 Batch B2: Describe the preparation of buffers & estimation of pH Batch B1: SDL: with FA	BI11.2 Batch A2: Describe the preparation of buffers & estimation of pH Batch A1: SDL: with FA
1-2PM	LUNCH					
2-3PM	SPORTS		Experimental Lab- Batch B1 Study of student physiograph electrical circuits for amphibian experiments & nerve-muscle preparation PY3.18 Haematology lab- Batch B2 Collection of blood sample PY2.11	SGD- PBL of general physiology	AN4.1-4.5 Demo- Skin & Fascia (A & B) AN65.1 b-65.2 b Practical Histology- C Epithelium II	
3-4PM			BI11.2 Batch A1: Describe the preparation of buffers & estimation of pH Batch A1: SDL: with FA			

TIME	MONDAY 16.09.19	TUESDAY 17.09.19	WEDNESDAY 18.09.19	THURSDAY 19.09.19	FRIDAY 20.09.19	SATURDAY 21.09.19
8-9AM	<p>Lec- 10 General Features of lymphatic system</p> <p>AN6.1 List the components and functions of the lymphatic system</p> <p>AN6.2 Describe structure of lymph capillaries & mechanism of lymph circulation</p> <p>AN6.3 Explain the concept of lymphoedema and spread of tumors via lymphatics and venous system (vertical integration- General Surgery)</p>	<p>Lec-11 Introduction to the nervous system I</p> <p>AN7.1 Describe general plan of nervous system with components of central, peripheral & autonomic nervous systems</p> <p>AN7.2 List components of nervous tissue and their functions</p> <p>AN7.3 Describe parts of a neuron and classify them based on number of neurites, size & function (Horizontal integration)</p>	<p>PY3.3.1 Describe the degeneration and regeneration in peripheral nerves (Vertical integration- Medicine) (horizontal integration)</p>	<p>PY2.2 Discuss the origin, forms, variations and functions of plasma proteins (Horizontal integration- biochemistry)</p>	<p>Lec-1 Introduction to upper limb & pectoral region-I</p> <p>AN9.1 Describe attachment, nerve supply & action of pectoralis major and pectoralis minor</p>	<p>BI2.6 Discuss use of enzymes in laboratory investigation Se (enzyme based assays)</p> <p>BI2.7 Interpret laboratory results of enzyme activities as bio markers in common pathological conditions</p>
9-10AM	<p>Demo- CVS & lymphatic system</p> <p>AN5.1-5.8</p> <p>AN6.1-6.3 (Vertical integration- Pathology)</p>	<p>Demo- CNS</p> <p>AN7.1-7.3</p>	<p>Lec-5.2</p> <p>BI2.2 Describe and explain the basic principles of enzyme activity & its regulation along with enzyme kinetics.</p>	<p>General embryology II</p> <p>AN77.1 Describe the uterine changes occurring during the menstrual cycle</p> <p>AN77.2 Describe the synchrony between the ovarian and menstrual cycles</p> <p>AN77.4 Describe the stages and consequences of</p>	<p>PY3.3.2 Describe the degeneration and regeneration in peripheral nerves (Vertical integration- Medicine)</p>	<p>Diss- Pectoral region & prosections</p> <p>AN9.1 Describe attachment, nerve supply & action of pectoralis major and pectoralis minor</p>

				fertilisation (Vertical integration- Obstetrics & gynaecology)		
10-11AM	<p>Demo- CVS & lymphatic system</p> <p>AN5.1-5.8</p> <p>AN6.1-6.3 (Vertical integration- Pathology)</p>	<p>Demo- CNS</p> <p>AN7.1-7.3</p>	<p>Lec-12 Nervous system II</p> <p>AN7.4 Describe structure of a typical spinal nerve</p> <p>AN7.5 Describe principles of sensory and motor innervation of muscles (Vertical integration- General medicine)</p> <p>AN7.6 Describe concept of loss of innervation of a muscle with its applied anatomy (Vertical integration- General medicine)</p> <p>AN7.7 Describe various type of synapse</p> <p>AN7.8 Describe differences between sympathetic and spinal ganglia</p>	<p>Formative assessment</p>	<p>SGD</p> <p>BI2.3 Describe & discuss as substances/ Chemicals in enzyme inhibitions & describe the therapeutic use of enzymes.</p> <p>SGD</p> <p>BI2.4 Describe & discuss the clinical utility of various serum enzymes as biochemical markers of common pathological conditions.</p>	<p>PY2.3 Describe and discuss the synthesis and functions of Haemoglobin and explain its breakdown. Describe variants of haemoglobin (Horizontal integration- biochemistry)</p>
11-12PM	<p>PY3.2 Describe the types, functions & properties of nerve fibers</p>	<p>PY2.1 Describe the composition and functions of blood components</p>	<p>Demo Nervous system II</p> <p>AN7.4-7.8</p>	<p>Formative assessment</p>	<p>Experimental lab Batch A2 Recording of a simple muscle twitch</p> <p>PY3.18</p>	<p>Experimental lab Batch B2 Recording of a simple muscle twitch</p>

12-1PM	<p>Lec 5.1</p> <p>BI2.1 Explain fundamental concepts of enzyme structure & function. Enumerate the main classes of IUBMB nomenclature</p>	AETCOM			<p>Haematology lab- Batch A1 Estmation of haemoglobin</p> <p>PY2.11</p> <p>SGD batch B1 & B2 Osmotic fragility & specific gravity of blood</p> <p>PY2.12</p>	<p>PY3.18</p> <p>Haematology lab- Batch B1 Estmation of haemoglobin</p> <p>PY2.11</p> <p>SGD batch A1 & A2 Osmotic fragility & specific gravity of blood</p> <p>PY2.12</p>
1-2PM	LUNCH					
2-4PM	<p>PSM 1.3 Describe the characteristics of agent, host, environmental factors in health and disease and multifactorial etiology of disease</p>	<p>Experimental lab BATCH A1 Study of student physiology Electrical circuits for amphibian experiments and nerve-muscle preparation</p> <p>PY3.18</p> <p>Recording of the simple muscle twitch</p> <p>PY3.18</p> <p>Haematology lab BATCH A2 Collection of blood sample Estimation of haemoglobin</p> <p>PY2.11</p>	<p>Experimental lab BATCH B1 Recording of a simple muscle twitch</p> <p>PY3.18</p> <p>Haematology lab BATCH B2 Estimation of haemoglobin</p> <p>PY2.11</p>	<p>Small group discussion RBC indices</p> <p>PY2.11</p>	<p>Dissection: Pectoral region & prosections</p> <p>AN9.1 Describe attachments, nerve supply & action of pectoralis major & pectoralis minor</p>	

		BI11.2 BATCH B1 Describe the preparation of buffers and estimation of Ph BATCH B2 SELF DIRECTED LEARNING with FA	BI11.3 BATCH A1 Describe the chemical components of normal urine BATCH A2 SGD with FA			
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TIME	MONDAY 23.09.19	TUESDAY 24.09.19	WEDNESDAY 25.09.19	THURSDAY 26.09.19	FRIDAY 27.09.19	SATURDAY 28.09.19
8-9AM	Lecture: Histology: Glands AN70.1 Identify exocrine gland under the microscope and distinguish between serous, mucous and mixed acini (Vertical integration with Pathology)	Lecture: Pectoral region III (Mammary gland) AN9.2 Breast: Describe the location, extent, deep relations, structures, age changes, blood supply, lymphatic drainage, microanatomy, applied anatomy of breast (Vertical integration with Surgery) AN9.3 Describe development of breast	PY2.5.1 Describe the different types of anaemia and jaundice (Horizontal integration-Biochemistry) (Vertical integration with Pathology)	PY3.7 Describe the different types of muscle fibres and their structure	Lecture: Axilla II (Brachial plexus) AN10.2 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 plexus	BI3.1 Describe and discuss about different monosaccharides, disaccharides, polysaccharides and enumerate different isomers of carbohydrates giving examples of biological significant carbohydrates in each group
9-10AM	Lecture: Pectoral region II AN9.1 (ECE)	Dissection: Pectoral region AN9.2.1 Breast: Describe the location,	SGD BI2.4 Describe and discuss the clinical utility of	Lecture: General embryology IV AN78.1 Describe cleavage and	PY2.5.2 Describe different types of anaemia and jaundice (Horizontal integration-Biochemistry)	Dissection: Axilla AN10.2 Identify, describe and demonstrate the

		<p>extent, deep relations, structures, age changes, blood supply, lymphatic drainage, microanatomy, applied anatomy of breast (Vertical integration with Surgery)</p>	<p>various serum enzymes as biochemical markers of common pathological conditions</p>	<p>formation of blastocyst</p> <p>AN78.2 Describe the development of trophoblast</p> <p>AN78.3 Describe the process of implantation and common abnormal sites of implantation</p> <p>AN78.4 Describe the formation of extra-embryonic mesoderm and coelom, bilaminar disc and prochordal plate</p> <p>AN78.5 Describe in brief abortion; decidual reaction, pregnancy test (Vertical integration with Obstetrics and Gynaecology)</p>	<p>(Vertical integration with Pathology)</p>	<p>origin, extent, course and parts, relations, branches of axillary artery and tributaries of vein</p> <p>AN10.3 Describe, identify demonstrate formation, branches, relations, area of supply of branches, course and relations of terminal branches of brachial plexus (SDL)</p>
10-11AM	<p>Demo: Humerus, scapula and clavicle</p> <p>AN8.1 Identify the given bone, side, important features and keep it in anatomical position</p> <p>AN8.2 Identify and describe joints formed by given bone</p> <p>AN8.4 Demonstrate important muscle</p>	<p>Dissection: Pectoral region</p> <p>AN9.2.1 Breast: Describe the location, extent, deep relations, structures, age changes, blood supply, lymphatic drainage, microanatomy, applied anatomy of breast (Vertical integration with Surgery)</p>	<p>Lecture: Axilla I (Walls and contents)</p> <p>AN10.1 Identify and describe boundaries of axilla</p>	<p>LINKER SESSION</p>	<p>SGD</p> <p>BI 2.5 Discuss use of enzymes in laboratory investigations (enzyme based assays) and interpret laboratory results of enzyme activities as biomarkers in common pathological conditions</p>	<p>PY3.8 Describe action potential and its properties in different muscle types (skeletal and smooth muscle) (Horizontal integration- Anatomy)</p>

	<p>attachment on the given bone (Vertical integration-Orthopedics)</p> <p>AN8.3 Enumerate peculiarities of muscles</p>					
11-12PM	<p>PY2.4 Describe RBC function, erythropoiesis and its regulation</p>	<p>PY3.4 Describe the structure of neuro-muscular junction and transmission of impulses</p> <p>PY3.5 Discuss the action of neuromuscular blocking agents</p> <p>PY3.6 Describe the pathophysiology of myaestheia gravis (ECE)</p>	<p>Batch A: Histology BATCH B & C: Dissection: scapular region</p>	<p>BATCH B: Histology BATCH A & C: Dissection: axilla</p>	<p>Experimental lab- BATCH A2 Effect of temperature on SMT</p> <p>PY3.18 Haematology lab- BATCH A1 Estimation of haemoglobin (revision)</p> <p>PY2.11</p>	<p>Experimental lab- BATCH B2 Effect of temperature on SMT</p> <p>PY 3.18 Haematology lab- BATCH B1 Estimation of haemoglobin (revision)</p> <p>PY2.11</p>
12-1PM	<p>Lec</p> <p>BI2.3 Describe and discuss as substances/chemicals in enzyme inhibition and describe the therapeutic use of enzymes.</p>	<p>AETCOM</p>			<p>BI 11.3 BATCH B2 Describe the chemical components of normal urine.</p> <p>BATCH B1- SGD with FA</p>	<p>BI11.3 BATCH A2 Describe the chemical components of normal urine.</p> <p>BATCH A1- SGD with FA</p>
1-2PM	<p>LUNCH</p>					

2-4PM	SPORTS	<p>Experimental lab – Batch A 1 Effect of temperature on SMT</p> <p>PY3.18</p> <p>Haematology lab- Batch A2 Estimation of Haemoglobin (Revision)</p> <p>PY2.11</p>	<p>Experimental lab - Batch B1 Effect of temperature on SMT</p> <p>PY3.18</p> <p>Haematology lab – Batch A2 Estimation of Haemoglobin (Revision)</p> <p>PY2.11</p>	<p>Small group discussion- Determination of ESR, PCV</p> <p>PY2.12</p>	<p>Batch C: Histo Batch A and B: Diss. Axilla</p> <p>AN10.2 Identify, describe and demonstrate the origin, extant, course, parts, relations and branches of axillary artery and tributaries of vein</p> <p>AN10.3 Describe, identify and demonstrate formation, branches, relations, area of supply of branches, course and relations of terminal branches of brachial plexus</p>
		<p>Batch B1</p> <p>BI11.3 Describe the chemical components of normal urine.</p> <p>Batch B2 SGD WITH FA</p>	<p>Batch A1</p> <p>BI 11.4 perform urine analysis to detect abnormal constituents</p> <p>BI11.20 Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states.</p> <p>Batch A2 SGD</p>		

TIME	MONDAY 30.09.19	TUESDAY 01.10.19	WEDNESDAY 02.10.19	THURSDAY 03.10.19	FRIDAY 04.10.19	SATURDAY 05.10.19
8-9AM	<p>Lecture: Histology: Connective tissue</p> <p>AN66.1 Describe and identify various types of connective tissue with the functional correlation AN66.2 Describe the ultra structure of connective tissue (Horizontal integration with Physiology) (Vertical integration with Pathology)</p>	<p>Lecture: Back and Scapular region</p> <p>AN10.9 Describe the arterial anastomoses around the scapula and mention the boundaries of angle of auscultation</p>	Holiday	<p>PY2.7 Describe formation of platelets, functions and variations.</p>	<p>Lecture: Arm: Anterior compartment</p> <p>AN11.1 Describe and demonstrate muscle groups of upper arm with emphasis on biceps and triceps brachii</p> <p>AN11.2 Identify and describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels in arm</p> <p>AN11.3 Describe, the anatomical basis of venepuncture of cubital veins</p> <p>AN11.5 Identify and describe boundaries and contents of cubital fossa</p>	<p>B3.4 Define and describe the pathways of carbohydrate metabolism namely glycolysis, gluconeogenesis, glycogen metabolism, HMT shunt, TCA cycle and minor pathway of carbohydrate metabolism e.g. Uronic acid metabolism, Fructose metabolism and Galactose metabolism</p>
9-10AM	<p>Lec: Axilla III</p> <p>AN10.4 Describe the anatomical groups of axillary lymph nodes and specify their areas of drainage. (Vertical integration – General Surgery)</p>	<p>Batch A-Histo Batch B & C: Demo: Scapula, boundaries of triangle of auscultation</p> <p>AN8.1 & 8.2</p>		<p>Lec: Gen Embryo V</p> <p>AN79.1 Describe the formation and fate of the primitive streak</p> <p>AN79.2 Describe formation and fate of notochord</p>	<p>PY3.10 Describe the mode of muscle contraction (isometric and isotonic).</p>	<p>AN8.4, 8.5 and 8.6 Diss. : Arm: anterior compartment Demo: Radius and Ulna, Articulated Hand (Vertical integration-Orthopaedics)</p> <p>AN11.1 Describe and demonstrate muscle</p>

	AN10.7 Explain the anatomical basis of enlarge lymph node (Vertical integration – General Surgery)			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 (Vertical integration Obstetrics & Gynaecology)		groups of upper arm with emphasis on biceps and triceps brachii AN11.2.1 Identify and describe origin, course, relations, branches (or tributaries), termination of important nerve and vessels in arm. AN11.3.1 Describe the anatomical basis of Venepuncture of cubital veins AN11.5.1 identify and describe boundaries and contents of cubital fossa
10-11AM	Demo: Scapula particular features AN8.1 & 8.2	Batch A-Histo Batch B & C: Demo: Scapula, boundaries of triangle of auscultation AN8.1 & 8.2		Interactive session	BI3.3 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.
11-12PM	PY3.9 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 Demo: Scapula, boundaries of triangle of auscultation Batch C : Diss: Scapular region AN10.9	Experimental lab- Batch A2 Effect of 2 successive stimuli on SMT PY3.18 Haematology lab- Batch A1 Estimation of Total RBC count PY2.11	Experimental lab- Batch B2 Effect of temperature on SMT PY3.18 Haematology lab- Batch B1 Estimation of total RBC Count PY2.11

12-1PM	<p>BI3.2: Describe the function of Carbohydrate as energy fuel, structural element and storage in the human body.</p>	AETCOM			<p>Batch B2</p> <p>BI11.4 Perform urine analysis to detect abnormal constituents</p> <p>BI11.20 Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states.</p> <p>Batch B1 SGD With FA</p>	<p>Batch A2</p> <p>BI11.4 Perform urine analysis to detect abnormal constituents</p> <p>BI11.20 Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states.</p> <p>Batch A1 SGD With FA</p>
1-2PM	LUNCH					
2-4PM	<p>PSM1.4 Describe and discuss the natural history of disease</p> <p>PSM1.5. Describe the application of interventions at various level of prevention</p>	<p>Experimental lab- Batch A1 Effect of two successive stimuli on SMT</p> <p>PY3.18 Haematology lab- Batch A2 Estimation of Total RBC count</p> <p>PY2.11</p>		<p>Small group discussion/ tutorial/ integrated learning/ self directed learning/ early clinical exposure</p>	<p>Batch C- Histo Batch A & B dissection scapular region</p> <p>AN10.9</p>	
	<p>Batch B2</p> <p>BI11.4 Perform urine analysis to detect abnormal constituents</p> <p>BI11.20 Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states.</p> <p>Batch B1 SGD With FA</p>					

TIME	MONDAY 07.10.19	TUESDAY 08.10.19	WEDNESDAY 09.10.19	THURSDAY 10.10.19	FRIDAY 11.10.19	SATURDAY 12.10.19
8-9AM	<p>Lec: Histo- Cartilage</p> <p>AN71.2 Identify cartilage under the microscope & describe various types and structure- function correlation of the same (Vertical integration- Pathology)</p>	HOLIDAY	<p>PY2.10.1 Define & classify different types of immunity. Describe the development of immunity & its regulation</p>	<p>PY3.12 Explain the gradation of muscular activity</p> <p>PY3.13 Describe muscular dystrophy: myopathies (Vertical integration- Medicine)</p>	<p>Lec- Forearm: Posterior compartment</p> <p>AN12.11 Identify, describe and demonstrate important muscle groups of dorsal forearm with attachments, nerve supply and actions</p> <p>AN12.12 Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of forearm</p>	<p>Lec</p> <p>BI3.4 define & describe the pathways of carbohydrate mechanism namely glycolysis, gluconeogenesis, glycogen metabolism , HMP shunt, TCA cycle & minor pathway of carbohydrate metabolism example uronic acid metabolism, fructose metabolism & galactose metabolism</p>
9-10AM	<p>Lec: Forearm: anterior compartment-I</p> <p>AN12.1 Describe and demonstrate important muscle groups of ventral forearm with attachments, nerve supply and actions</p>		<p>Lec</p> <p>BI3.4 define & describe the pathways of carbohydrate mechanism namely glycolysis, gluconeogenesis, glycogen metabolism , HMP shunt, TCA cycle & minor pathway of carbohydrate metabolism example uronic acid metabolism, fructose metabolism & galactose metabolism</p>	<p>Lec: Forearm: anterior compartment-II</p> <p>AN12.1 Describe and demonstrate important muscle groups of ventral forearm with attachments, nerve supply and actions</p>	<p>PY2.10.2 Define & classify different types of immunity. Describe the development of immunity & its regulation.</p>	<p>Demo: Radius & Ulna- Particular features</p> <p>AN8.1 & 8.2</p>

<p>10-11AM</p>	<p>AN13.3 Identify & describe the type, articular surface, capsule, synovial membrane, ligaments, relations, movements, blood & nerve supply of elbow joint, proximal & distal radio-ulnar joint, wrist joint & first carpo-metacarpal joint</p>	<p>Dissection: Forearm anterior compartment</p> <p>AN12.1</p> <p>AN12.2</p> <p>AN12.3</p>	<p>Lec: General embryology IV- Placenta & fetal membrane</p> <p>AN80.1 Describe formation, functions & fate of-chorion: amnion; yolk sac; allantois & decidua</p> <p>AN80.2 Describe formation & structure of umbilical cord</p> <p>AN80.3 Describe formation of placenta, its physiological functions, foetomaternal circulation & placental barrier</p> <p>AN80.4 Describe embryological basis of twinning in monozygotic & dizygotic twins</p> <p>AN80.5 Describe role of placental hormones in uterine growth & parturition</p> <p>AN80.6 Explain embryological basis of estimation of fetal age</p> <p>AN80.7 Describe various types of</p>	<p>Lec</p> <p>BI3.4 define & describe the pathways of carbohydrate mechanism namely glycolysis, gluconeogenesis, glycogen metabolism , HMP shunt, TCA cycle & minor pathway of carbohydrate metabolism example uronic acid metabolism, fructose metabolism & galactose metabolism</p>	<p>PY3.11 Explain energy source & muscle metabolism (Horizontal integration-Biochemistry)</p>
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				umbilical cord attachments (Vertical integration- obstetrics & gynaecology)		
11-12PM	PY2.8.2 Describe physiological basis of haemostasis. Describe bleeding & clotting disorders. Describe the physiological role of anticoagulants (vertical integration- Pathology)		Batch A- Histo Batch B & C- Dissection anterior compartment: Forearm AN12.1 AN12.2 AN12.3	Batch B- Histo Batch A & C- Dissection anterior compartment: Forearm AN12.1 AN12.2 AN12.3	Experimental lab- Batch A2 Effect of two successive stimuli on SMT (revision) PY3.18 Haematology lab- Batch A1 Estimation of Total RBC count (revision) PY2.11	Experimental lab- Batch B2 Effect of two successive stimuli on SMT (revision) PY3.18 Haematology lab- Batch B1 Estimation of Total RBC count (revision) PY2.11
12-1PM	Lec: BI3.4 define & describe the pathways of carbohydrate mechanism namely glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt, TCA cycle & minor pathway of carbohydrate metabolism example uronic acid metabolism, fructose metabolism & galactose metabolism				Batch B2 BI11.5 and BI11.6 Describe the principles of colorimetry/ spectrophotometer BI11.18 Discuss the principles of spectrophotometry Batch B1 SGD	Batch A2 BI11.5 and BI11.6 Describe the principles of colorimetry/ spectrophotometer BI11.18 Discuss the principles of spectrophotometry Batch A1 SGD
1-2PM	LUNCH					
2-4PM	SPORTS		Experimental lab- Batch B1 Effect of two successive stimuli on	SGD/ Computer assisted learning methods for nerve	Batch C- Histo Batch A & B- Dissection Posterior	

			<p>SMT</p> <p>PY3.18</p> <p>Haematology lab- Batch B2 Estimation of Total RBC count</p> <p>PY2.11</p> <p>Batch A1 BI11.5 and BI11.6 Describe the principles of colorimetry/ spectrophotometer</p> <p>BI11.18 Discuss the principles of spectrophotometry</p> <p>Batch A2 SGD</p>	<p>muscle experiments PY3.18</p>	<p>compartment Forearm</p> <p>AN12.1</p> <p>AN12.2</p> <p>AN12.3</p>	
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TIME	MONDAY 14.10.19	TUESDAY 15.10.19	WEDNESDAY 16.10.19	THURSDAY 17.10.19	FRIDAY 18.10.19	SATURDAY 19.10.19
8-9AM	<p>Lecture: Histology Bone</p> <p>AN71.1 Identify bone under the microscope, classify various types and describe the structure, function correlation of the same (Vertical integration with Pathology)</p>	<p>Lecture: Palm II</p> <p>AN12.6 Describe and demonstrate movement of thumb and muscles involved.</p> <p>AN12.9 Identify and describe fibrous flexor sheaths, ulnar bursa, radial bursa and digital synovial sheaths</p>	<p>PY5.2.2 Describe the properties of cardiac muscle including its morphology, electrical, mechanical and metabolic functions</p>	<p>PY6.2.1 Describe the mechanism of normal respiration and describe the pressure changes during ventilation</p>	<p>Lecture: Nerve injuries of upper limb</p> <p>AN10.6 Explain the anatomical basis of clinical features of Erb's palsy and Klumpke's paralysis (Vertical integration General Surgery)</p>	<p>Lecture</p> <p>BI3.8 Discuss the mechanism and significance of regulation of blood glucose and fructose in health and disease</p>

9-10AM	<p>Lecture: Palm I</p> <p>AN12.5 Identify and describe muscles of hand and also describe movements of thumb & muscles involved</p> <p>AN12.6 Describe and demonstrate movements of thumb and muscles involved</p> <p>AN12.7 Identify and describe course and branches of important blood vessels and nerves in hand</p>	<p>Dissection: Palm</p> <p>AN12.5 5 Identify and describe muscles of hand and also describe movements of thumb & muscles involved</p> <p>AN12.6 Describe and demonstrate movements of thumb and muscles involved</p> <p>AN12.7 Identify and describe course and branches of important blood vessels and nerves in hand</p>	<p>Lecture</p> <p>BI3.6 Describe and discuss the biochemical processes involved in generation of energy in cells, biological oxidation and electron transport chain along with the inhibitors and uncouplers of ETC</p>	<p>Lecture: General embryology VII Birth defects (ECE)</p> <p>AN79.6 Describe the diagnosis of pregnancy in first trimester and role of teratogens, alfa-fetoproteins</p> <p>AN81.1 Describe various methods of prenatal diagnosis</p> <p>AN81.2 Describe indications, process and disadvantages of amniocentesis</p> <p>AN81.3 Describe indications, process and disadvantages of chorion villus biopsy (Vertical integration with Obstetrics and Gynaecology)</p>	<p>PY3.17 Describe strength-duration curve</p>	<p>Lecture: Small joints of upper limb</p> <p>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 carpometacarpal joint</p>
10-11AM	<p>Demo: Articulated hand II</p> <p>AN8.1</p> <p>AN8.2</p> <p>AN8.4</p> <p>AN8.5</p>	<p>Dissection: Palm</p> <p>AN12.5 Identify and describe muscles of hand and also describe movements of thumb & muscles involved</p> <p>AN12.6 Describe and demonstrate movements of thumb and muscles involved</p> <p>AN12.7 Identify and</p>	<p>Dissection: Palm</p> <p>AN12.5 Identify and describe muscles of hand and also describe movements of thumb & muscles involved</p> <p>AN12.6 Describe and demonstrate movements of thumb and muscles involved</p> <p>AN12.7 Identify and</p>	<p>Interactive session (SDL)</p>	<p>Lecture</p> <p>BI3.7 Describe the common substance/chemicals that inhibit crucial enzymes of carbohydrate metabolism (Eg: Flouride, arsenate)</p>	<p>PY6.2.2 Discuss in detail the lung volumes and capacities</p>

		describe course and branches of important blood vessels and nerves in hand	describe course and branches of important blood vessels and nerves in hand			
11-12PM	PY5.2.1 Describe the properties of cardiac muscles including its morphology, electrical, mechanical and metabolic functions	PY6.1 Describe the functional anatomy of respiratory tract	BATCH B: Dissection: Palm/ SDL BATCH A: Histology BATCH C: Embryology practical	BATCH C: Dissection: Palm/ SDL BATCH B: Histology BATCH A: Embryology practical	Experimental lab BATCH A2 Effect of increasing strength of stimuli on SMT	Experimental lab BATCH B2 Effect of increasing strength of stimuli on SMT
12-1PM	Lecture BI3.5 Describe and discuss the regulation and integration of carbohydrate and amphibolic pathways with reference to associated diseases/ disorders	AETCOM	AN12.5 AN12.6 AN12.7	AN12.5 AN12.6 AN12.7	PY3.18 Observe with Computer assisted learning (i) amphibian nerve - muscle experiments (ii) amphibian cardiac experiments Haematology lab BATCH A1 Estimation of total WBC count PY2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT ECE Visit to blood bank BATCH B1,B2 PY2.9 Describe different blood groups and discuss the clinical importance of blood grouping, blood banking and transfusion	PY3.18 Observe with Computer assisted learning (i) amphibian nerve - muscle experiments (ii) amphibian cardiac experiments Haematology lab BATCH B1 Estimation of total WBC count PY2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT ECE Visit to blood bank BATCH A1,A2 PY2.9 Describe different blood groups and discuss the clinical importance of blood grouping, blood banking and transfusion

1-2PM	LUNCH					
2-4PM	<p>PSM1.6 Describe and discuss the concepts, the principles of health promotion and education, IEC and behavioural change communication (BCC)</p>	<p>Experimental lab BATCH A1 Effect of increasing strength of stimuli on SMT</p> <p>PY3.18 Observe with Computer assisted learning (i) amphibian nerve -muscle experiments (ii) amphibian cardiac experiments</p> <p>Haematology lab BATCH A2 Estimation of total WBC count</p> <p>PY2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT</p>	<p>Experimental lab BATCH B1 Effect of increasing strength of stimuli on SMT</p> <p>PY3.18 Observe with Computer assisted learning (i) amphibian nerve -muscle experiments (ii) amphibian cardiac experiments</p> <p>Haematology lab BATCH B2 Estimation of total WBC count</p> <p>PY2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT</p>	<p>Small Group Discussion Computer assisted learning methods for nerve muscle experiments</p> <p>PY3.18 Observe with Computer assisted learning (i) amphibian nerve -muscle experiments (ii) amphibian cardiac experiments</p>	<p>Dissection: BATCH A-Palm/ SDL</p> <p>BATCH C- Histology</p> <p>BATCH B-Embryology practical</p> <p>AN12.5</p> <p>AN12.6</p> <p>AN12.7</p>	
		<p>BATCH B1</p> <p>BI 11.6 Describe the principles of colorimetry/ spectrophotometer</p> <p>BI 11.18 Discuss the principles of spectrophotometry</p> <p>BATCH B2 SGD</p>	<p>BATCH A1</p> <p>BI 11.6 Describe the principles of colorimetry/ spectrophotometer</p> <p>BI 11.18 Discuss the principles of spectrophotometry</p> <p>BATCH A2 SGD</p>			

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
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	21.10.19	22.10.19	23.10.19	24.10.19	25.10.19	26.10.19
8-9AM	<p>Lec: Blood vessels of upper limb</p> <p>AN13.1 Describe and explain Fascia of upper limb and compartments, veins of upper limb and its lymphatic drainage</p>	<p>Lec: Lymphatics of upper limb</p> <p>AN13.1</p>	<p>PY6.2.4 Discuss airway resistance, V/P ratio and diffusion capacity of lungs</p>	<p>PY5.2 Describe the properties of cardiac muscle including its morphology, electrical, mechanical and metabolic functions</p>	<p>Lec: Introduction and Thoracic wall-I</p> <p>AN21.3 Describe & demonstrate the boundaries of thoracic inlet, cavity and outlet</p> <p>AN21.4 Describe & demonstrate extent, attachments, direction of fibres, nerve supply and actions of intercostal muscles</p>	<p>BI4.2 Describe the processes involved in digestion and absorption of dietary lipids and also the key features of their metabolism(Fatty acid synthesis, beta oxidation and ketone body metabolism)</p>
9-10AM	<p>Demo: Small joints of upper limb</p> <p>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 carpometacarpal joint</p>	<p>Surface marking of Upper limb</p> <p>AN13.2 Describe dermatomes of upper limb</p> <p>AN13.6 Identify & demonstrate important bony landmarks of upper limb: Jugular notch, sternal angle, acromial angle, spine of the scapula, vertebral level of the medial end, Inferior angle of the scapula.</p>	<p>BI4.1 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</p>	<p>Formative assessment</p>	<p>PY6.3 Describe and discuss the transport of respiratory gases: oxygen and carbon dioxide</p>	<p>Lec: thoracic wall-II (intercostal spaces)</p> <p>AN21.5 Describe & demonstrate origin, course, relations and branches of a typical intercostal nerve</p> <p>AN21.6 Mention origin, course and branches/ tributaries of:</p> <ol style="list-style-type: none"> 1) anterior & posterior intercostal vessels 2) internal thoracic vessels <p>AN21.7 Mention the origin, course, relations and branches of</p> <ol style="list-style-type: none"> 1) atypical intercostal nerve

						2) superior intercostal artery, subcostal artery
10-11AM	<p>Demo: Small joints of upper limb</p> <p>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 carpometacarpal joint</p>	<p>Radiological anatomy of upper limb</p> <p>AN13.5 Identify the bones and joints of upper limb seen in anteroposterior and lateral view radiographs of shoulder region, arm, elbow, forearm and hand</p>	<p>Lec: Development of upper limb</p> <p>AN13.8 Describe development of upper limb</p>	Formative assessment	<p>BI4.2- Describe the processes involved in digestion and absorption of dietary lipids and key factors of their metabolism (fatty acid synthesis, beta oxidation and ketone body metabolism)</p>	<p>PY5.31-Discuss the events occurring during cardiac cycle.</p>
11-12PM	<p>PY6.2.3 Define and explain alveolar surface tension and compliance</p>	<p>PY5.1 Describe functional anatomy of heart including chambers and sounds, pacemaker tissue and conducting system. (Horizontal Integration-Anatomy)</p>	Digital displayer: Prosections	Formative Assessment	<p>Experimental lab-Batch A2 Determination of conduction velocity in frog's sciatic nerve PY3.18</p> <p>Haematology lab-Batch A1 Estimation of total WBC Count (Revision) PY2.11</p>	<p>Experimental lab-Batch B2 Determination of conduction velocity in frog's sciatic nerve PY3.18</p> <p>Haematology lab-Batch B1 Estimation of total WBC Count (Revision) PY2.11</p>
12-1PM	<p>Lecture</p> <p>BI4.1 Describe and discuss main classes of lipids (essential/non-essential fatty acids, cholesterol & hormonal steroids, triglycerides, major phospholipids, sphingolipids & derived</p>	AETCOM			<p>Batch B2</p> <p>BI11.8 Demonstrate estimation of serum proteins, albumin and A: G ratio</p> <p>BI11.22 Calculate albumin :globulin (AG) ratio</p>	<p>Batch A2</p> <p>BI11.8 Demonstrate estimation of serum proteins, albumin and A: G ratio</p> <p>BI11.22 Calculate albumin :globulin (AG) ratio</p>

	lipids) relevant to human system and their major functions				Batch B1 SGD	Batch A1 SGD
1-2PM	LUNCH					
2-4PM	SPORTS	Experimental lab- BATCH A1 Determination of conduction velocity in frogs sciatic nerve PY3.18 Haematology lab- BATCH A2 Estimation of total WBC count (revision) PY2.11	Experimental lab- BATCH B1 Determination of conduction velocity in frogs sciatic nerve PY3.18 Haematology lab- BATCH B2 Estimation of total WBC count (revision) PY2.11	Small Group Discussion/ Integrated learning -PBL blood	Demo: Landmarks of thorax, general and special features of sternum and typical rib AN21.1 Identify and describe the salient features of sternum, typical rib, first rib and typical thoracic vertebra	
		Batch B1: BI11.8 Demonstrate estimation of serum proteins, albumin and A: G ratio BI11.22 Calculate albumin :globulin (AG) ratio Batch B2 SGD	BATCH A1 BI11.21A Demonstrate estimation of glucose in serum BATCH A2 SGD			

TIME	MONDAY 28.10.19	TUESDAY 29.10.19	WEDNESDAY 30.10.19	THURSDAY 31.10.19	FRIDAY 01.11.19	SATURDAY 02.11.19
8-9AM	Lecture: Mediastinum AN21.11 Mention boundaries and contents of the superior, anterior, middle and posterior	Lecture: Histology- Lymphoid system and lymph node AN70.21 Identify the lymphoid tissue under the microscope and	PY5.4 Describe generation and conduction of cardiac impulse	PY6.6.2 Describe and discuss dyspnoea, synopsis, asphyxia, drowning, periodic breathing	Lec: Lung and Pleura I AN24.1 Mention the blood supply, lymphatic drainage and nerve supply of pleura, extent of pleura and describe	Lecture: BI4.4 Describe and discuss cholesterol, biological importance of cholesterol, cholesterol

	mediastinum	describe microanatomy of lymph node and correlate the structure with function (Vertical integration with Pathology)			the pleural recesses and their applied anatomy AN24.2 Identify site, external features and relation of structures which form root of lung and bronchial tree and their clinical correlate (Vertical integration with General Medicine) (Horizontal integration with Physiology)	metabolism with its regulation and associated disorders
9-10AM	Demo: Typical and atypical ribs AN21.1 Identify and describe the salient features of sternum, typical rib, 1 st rib and typical thoracic vertebra AN21.2 Identify and describe the features of 2 nd , 11 th and 12 th ribs, 1 st , 11 th and 12 th thoracic vertebrae	Demo: Typical thoracic vertebra AN21.1 Identify and describe the salient features of sternum, typical rib, 1 st rib and typical thoracic vertebra	Lecture BI4.3 Describe and discuss the structure and function of lipoprotein, their transport and metabolism with regulation and associated disorders mainly atherosclerosis	Lecture: Embryology-Respiratory system AN25.2 Describe development of pleura, lungs and heart (ECE)	PY5.5 Describe the physiology of electrocardiogram (ECG), its application and cardiac axis (Vertical integration with Medicine)	Demo: In situ thoracic viscera
10-11AM	Demo: Thoracic wall and cavity AN21.3 Describe and demonstrate the boundaries of thoracic inlet, cavity and outlet AN21.4 Describe and demonstrate,	Dissection: Intercostal spaces and contents AN21.4 Describe and demonstrate, attachments, direction of fibres, nerve supply and actions of intercostals muscles	Lecture: Embryology-Body cavity and diaphragm AN52.5 Describe the development and congenital anomalies of diaphragm (Vertical integration with General Surgery)	Demo: Atypical thoracic vertebra AN21.2 Identify and describe the features of 2 nd , 11 th and 12 th ribs, 1 st , 11 th and 12 th thoracic vertebrae	Lecture: BI4.4 Describe and discuss cholesterol, biological importance of cholesterol, cholesterol metabolism with its regulation and associated disorders	PY6.4, PY6.5 Describe and discuss the physiology of higher altitude

	<p>attachments, direction of fibres, nerve supply and actions of intercostals muscles</p>	<p>AN21.5 Describe & demonstrate origin, course, relations and branches of a typical intercostal nerve</p> <p>AN21.6 Mention origin, course and branches/ tributaries of: 1) anterior & posterior intercostal vessels 2) internal thoracic vessels</p> <p>AN21.7 Mention the origin, course, relations and branches of 1) atypical intercostal nerve 2) superior intercostal artery, subcostal artery</p>				
11-12PM	<p>PY5.3.2 Discuss the events occurring during cardiac cycle II</p>	<p>PY6.6.1 Describe and discuss the pathophysiology of hypoxia</p>	<p>Dissection: Mediastinum in situ and thoracic wall</p> <p>AN21.11 Mention boundaries and contents of the superior, anterior, middle and posterior mediastinum</p> <p>Histology BATCH A: Lymphoid system and lymph node</p> <p>AN70.21 Identify the lymphoid tissue under the microscope and describe microanatomy</p>	<p>Dissection: Mediastinum in situ and thoracic wall</p> <p>AN21.11 Mention boundaries and contents of the superior, anterior, middle and posterior mediastinum</p> <p>Histology BATCH B: Lymphoid system and lymph node</p> <p>AN70.21 Identify the lymphoid tissue under the microscope and describe microanatomy</p>	<p>Experimental lab BATCH A2 Effect of increasing frequency of stimuli (genesis of tetanus) and genesis of fatigue in skeletal muscle</p> <p>PY3.18 Haematology lab BATCH A1 Differential leukocyte count</p> <p>PY2.11</p>	<p>Experimental lab BATCH B2 Effect of increasing frequency of stimuli (genesis of tetanus) and genesis of fatigue in skeletal muscle</p> <p>PY3.18 Haematology lab BATCH B1 Differential leukocyte count</p> <p>PY2.11</p>
12-1PM	<p>BI4.2 Describe the processes involved in digestion and</p>	<p>AETCOM</p>			<p>BATCH B2</p> <p>BI11.21A</p>	<p>BATCH A2</p> <p>BI11.21A</p>

	absorption of dietary lipids and key features of their metabolism (fatty acid synthesis, beta oxidation and ketone body metabolism)		of lymph node and correlate the structure with function	of lymph node and correlate the structure with function	Demonstrate estimation of glucose in serum SGD: BATCH B1	Demonstrate estimation of glucose in serum SGD: BATCH A1
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1-2PM	LUNCH					
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2-4PM	PSM1.7 Enumerate and describe health indicators	Experimental lab BATCH A1 Effect of increasing frequency of stimuli (genesis of tetanus) and genesis of fatigue in skeletal muscle	Experimental lab BATCH B1 Effect of increasing frequency of stimuli (genesis of tetanus) and genesis of fatigue in skeletal muscle	Small Group Discussion/ Integrated learning -PBL Nerve-Muscle	Dissection: Mediastinum in situ and thoracic wall AN21.11 Mention boundaries and contents of the superior, anterior, middle and posterior mediastinum Histology BATCH C: Lymphoid system and lymph node AN70.21 Identify the lymphoid tissue under the microscope and describe microanatomy of lymph node and correlate the structure with function	
		PY3.18 Haematology lab BATCH A2 Differential leukocyte count PY2.11 BATCH B1 BI11.21A Demonstrate estimation of glucose in serum SGD: BATCH B2	PY3.18 Haematology lab BATCH B2 Differential leukocyte count PY2.11 BATCH A1 BI11.21A Demonstrate estimation of glucose in serum SGD: BATCH A2			

TIME	MONDAY 04.11.19	TUESDAY 05.11.19	WEDNESDAY 06.11.19	THURSDAY 07.11.19	FRIDAY 08.11.19	SATURDAY 09.11.19
8-9AM	Lec- Lung II AN24.3 Describe a bronchopulmonary segment	Lec- Histo- Blood vessels AN69.1 Identify elastic & muscular blood vessels, capillaries	Nervous regulation of respiration	PY5.7 Describe & discuss haemodynamics of circulatory system	Lec: Heart II (Internal features of heart & coronary circulation) AN22.2 Describe & demonstrate external	Lec- BI5.2 Describe & discuss structure & organisation of protein with reference

	<p>AN24.5 Mention the blood supply, lymphatic drainage and nerve supply of lungs</p> <p>AN24.6 Describe the extent, length, relations, blood supply, lymphatic drainage and nerve supply of trachea (ECE) (Vertical integration- General medicine) (horizontal integration- Physiology)</p>	<p>under the microscope</p> <p>AN69.2 Describe the various types and structure-function correlation of blood vessels</p> <p>AN69.3 Describe the ultrastructure of blood vessels (horizontal integration- Physiology)</p>			<p>and internal features of each chamber of heart</p> <p>AN22.3 Describe & demonstrate origin, course and branches of coronary arteries</p> <p>AN22.4 Describe anatomical basis of ischaemic heart disease</p> <p>AN22.5 Describe & demonstrate the formation, course, tributaries and termination of coronary sinus</p> <p>AN22.6 Describe the fibrous skeleton of heart</p> <p>AN22.7 Mention the parts, position and arterial supply of the conducting system of heart (ECE) (Vertical integration- General medicine) (horizontal integration- Physiology)</p>	<p>to myoglobin, haemoglobin & collagen along with associated disorders of defective formation of proteins.</p>
9-10AM	<p>Diss/Demo: Lung</p> <p>AN24.1 Mention the blood supply, lymphatic drainage and nerve supply of pleura, extent of pleura and describe</p>	<p>Diss/Demo: Lung</p> <p>AN24.1 Mention the blood supply, lymphatic drainage and nerve supply of pleura, extent of pleura and describe</p>	<p>Lecture:</p> <p>BI5.1 Describe amino acid structure, classification and biological importance of amino acid, peptide</p>	<p>Lec: Heart I (Pericardium & external features)</p> <p>AN22.1 Describe & demonstrate subdivisions, sinuses</p>	<p>Chemical regulation of respiration</p>	<p>Demo: External features of heart</p> <p>AN22.1</p> <p>AN22.2</p>

	<p>the pleural recesses and their applied anatomy</p> <p>AN24.2 Identify side, external features and relations of structures which form root of lung & bronchial tree and their clinical correlate</p> <p>AN24.3 Describe a bronchopulmonary segment</p> <p>AN24.5 Mention the blood supply, lymphatic drainage and nerve supply of lungs</p> <p>AN24.6 Describe the extent, length, relations, blood supply, lymphatic drainage and nerve supply of trachea</p>	<p>the pleural recesses and their applied anatomy</p> <p>AN24.2 Identify side, external features and relations of structures which form root of lung & bronchial tree and their clinical correlate</p> <p>AN24.3 Describe a bronchopulmonary segment</p> <p>AN24.5 Mention the blood supply, lymphatic drainage and nerve supply of lungs</p> <p>AN24.6 Describe the extent, length, relations, blood supply, lymphatic drainage and nerve supply of trachea</p>	<p>and protein.</p>	<p>in pericardium, blood supply and nerve supply of pericardium</p> <p>AN22.2 Describe & demonstrate external and internal features of each chamber of heart</p>		
10-11AM	<p>Diss/Demo: Lung</p> <p>AN24.1 Mention the blood supply, lymphatic drainage and nerve supply of pleura, extent of pleura and describe the pleural recesses and their applied anatomy</p> <p>AN24.2 Identify side, external features and relations of structures which form root of lung</p>	<p>Diss/Demo: Lung</p> <p>AN24.1 Mention the blood supply, lymphatic drainage and nerve supply of pleura, extent of pleura and describe the pleural recesses and their applied anatomy</p> <p>AN24.2 Identify side, external features and relations of structures which form root of lung</p>	<p>Lec: Embryo-CVS I</p> <p>AN25.2 Describe development of pleura, lung & heart</p>	<p>Demo: Pleura</p> <p>AN:24.1-24.3</p>	<p>Lecture:</p> <p>BI5.1 Describe amino acid structure, classification and biological importance of amino acid, peptide and protein</p>	<p>PY5.8.1 Describe and discuss local cardiovascular regulatory mechanisms</p>

	<p>& bronchial tree and their clinical correlate</p> <p>AN24.3 Describe a bronchopulmonary segment</p> <p>AN24.5 Mention the blood supply, lymphatic drainage and nerve supply of lungs</p> <p>AN24.6 Describe the extent, length, relations, blood supply, lymphatic drainage and nerve supply of trachea</p>	<p>& bronchial tree and their clinical correlate</p> <p>AN24.3 Describe a bronchopulmonary segment</p> <p>AN24.5 Mention the blood supply, lymphatic drainage and nerve supply of lungs</p> <p>AN24.6 Describe the extent, length, relations, blood supply, lymphatic drainage and nerve supply of trachea</p>				
11-12PM	<p>PY6.7 Describe & discuss lung function tests & their clinical significance</p>	<p>PY5.6 (ECE) Describe abnormal ECG, arrhythmias, heart block & myocardial infarction (Vertical integration-Medicine)</p>	<p>Batch A- Histo- Blood vessels</p> <p>AN69.1 Identify elastic & muscular blood vessels, capillaries under the microscope</p> <p>AN69.2 Describe the various types and structure-function correlation of blood vessels</p> <p>AN69.3 Describe the ultrastructure of blood vessels</p>	<p>Batch A- Diss/Demo: Lung</p> <p>AN24.1 Mention the blood supply, lymphatic drainage and nerve supply of pleura, extent of pleura and describe the pleural recesses and their applied anatomy</p> <p>AN24.2 Identify side, external features and relations of structures which form root of lung & bronchial tree and their clinical correlate</p>	<p>Experimental Lab Batch A2- Effect of load (free load & after load conditions) on skeletal muscles</p> <p>PY3.18</p> <p>Haematology lab Batch A1- Differential leucocyte count (revision)</p> <p>PY2.11</p>	<p>Experimental Lab Batch B2- Effect of load (free load & after load conditions) on skeletal muscles</p> <p>PY3.18</p> <p>Haematology lab Batch B1- Differential leucocyte count (revision)</p> <p>PY2.11</p>
12-1PM	<p>Lec:</p> <p>BI4.5 Describe the therapeutic uses of prostaglandins & inhibitors of eicosanoid synthesis</p>	<p>AETCOM</p>	<p>Batch B- Embryo practical- Respiratory system</p> <p>AN25.2 Describe</p>	<p>Batch B- Histo- Blood vessels</p> <p>AN69.1 Identify elastic</p>	<p>Batch B2</p> <p>BI11.10 Demonstrate the estimation of triglycerides</p> <p>Batch B1- SGD</p>	<p>Batch A2</p> <p>BI11.10 Demonstrate the estimation of triglycerides</p> <p>Batch A1- SGD</p>

			<p>development of pleura, lung & heart</p> <p>Batch C- Diss/Demo: Lung</p> <p>AN24.1 Mention the blood supply, lymphatic drainage and nerve supply of pleura, extent of pleura and describe the pleural recesses and their applied anatomy</p> <p>AN24.2 Identify side, external features and relations of structures which form root of lung & bronchial tree and their clinical correlate</p>	<p>& muscular blood vessels, capillaries under the microscope</p> <p>AN69.2 Describe the various types and structure-function correlation of blood vessels</p> <p>AN69.3 Describe the ultrastructure of blood vessels</p> <p>Batch C- Embryo practical- Respiratory system</p> <p>AN25.2 Describe development of pleura, lung & heart</p>		
1-2PM	LUNCH					
2-4PM	SPORTS	<p>Experimental Lab Batch A1- Effect of load (free load & after load conditions) on skeletal muscles</p> <p>PY3.18</p> <p>Haematology lab Batch A2- Differential leucocyte count (revision)</p> <p>PY2.11 Batch B1</p>	<p>Experimental Lab Batch B1- Effect of load (free load & after load conditions) on skeletal muscles</p> <p>PY3.18</p> <p>Haematology lab Batch B2- Differential leucocyte count</p> <p>Batch A1</p>	<p>SGD/ Tutorial/ Integrated learning/ Self directed learning</p>	<p>Batch A- Embryo practical- Respiratory system</p> <p>AN25.2 Describe development of pleura, lung & heart</p> <p>Batch B- Diss/Demo: Lung</p> <p>AN24.1 Mention the blood supply, lymphatic drainage and nerve supply of pleura, extent</p>	

		<p>BI11.10 Demonstrate the estimation of triglycerides</p> <p>Batch B2- SGD</p>	<p>BI11.10 Demonstrate the estimation of triglycerides</p> <p>Batch A2- SGD</p>		<p>of pleura and describe the pleural recesses and their applied anatomy</p> <p>AN24.2 Identify side, external features and relations of structures which form root of lung & bronchial tree and their clinical correlate</p> <p>Batch C- Histo- Blood vessels</p> <p>AN69.1 Identify elastic & muscular blood vessels, capillaries under the microscope</p> <p>AN69.2 Describe the various types and structure-function correlation of blood vessels</p> <p>AN69.3 Describe the ultrastructure of blood vessels</p>	
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TIME	MONDAY 11.11.19	TUESDAY 12.11.19	WEDNESDAY 13.11.19	THURSDAY 14.11.19	FRIDAY 15.11.19	SATURDAY 16.11.19
8-9AM	<p>Lec: Embryo CVS II</p> <p>AN25.3 Describe Fetal circulation and changes occurring at birth.</p> <p>AN25.4 Describe</p>	HOLIDAY	<p>PY5.9.1 – Describe the factors affecting heart rate</p>	Clinical applications of regulation	<p>Lec: Posterior mediastinum I (Azygos vein, Thoracic duct, Sympathatic chain)</p> <p>AN23.2 Describe and demonstrate the</p>	<p>BI5.3 Describe the digestion and absorption of dietary proteins and catabolism of amino acids and associated disorders.</p>

	<p>embryological basis of 1) atrial septal defect, 2) Ventricular septal defect, 3) Fallot's tetralogy 4) trachea-oesophageal fistula</p> <p>AN25.5 Describe developmental basis of congenital anomalies, transposition of great vessels, dextrocardia, patent ductus arteriosus and coarctation of aorta (Vertical integration – General Medicine) (Horizontal integration – Physiology)</p>				<p>extant, relations, tributaries of thoracic duct and enumerate its applied anatomy</p> <p>AN23.3 Describe and demonstrate origin, course, relations, tributaries and termination of superior vena cava, Azygos, Hemiazygos and accessory hemiazygos veins</p> <p>AN23.5 Identify and mention the location and extant of thoracic sympathetic chain</p> <p>AN23.6 Describe the splanchnic nerves</p> <p>AN23.7 Mention the extant, relations and applied anatomy of lymphatic duct. (Vertical integration – General Surgery)</p>	
9-10AM	<p>Demo: Internal features of Heart</p> <p>AN22.2 Describe and Demonstrate external and internal features of each chambers of heart (SDL)</p>		<p>Lec:</p> <p>BI5.2 Describe and discuss structure and organisation of protein with reference to myoglobin, haemoglobin and collagen along with associated disorders of</p>	<p>Lec: Embryo- CVS III</p> <p>AN25.6 Mention development of aortic arch arteries, SVC , IVC, and coronary sinus (ECE)</p>	<p>PY5.9.2 Describe the factors affecting cardiac output</p>	<p>Demo: Posterior mediastinum</p> <p>AN23.1-AN23.5</p>

			defective formation of proteins. (Vertical integration-Pathology)			
10-11AM	Demo: Internal features of Heart AN22.2 Describe and Demonstrate external and internal features of each chambers of heart (SDL)		Lec: Histo – Trachea and Lung AN25.1 Identify, draw and label slides of trachea and lung	Demo: Blood supply of Heart AN22.3 Describe and demonstrate origin, course and branches of coronary arteries AN25.5 Describe and demonstrate the formation, course, tributaries and termination of coronary sinus	Lec: BI5.3 Describe the digestion and absorption of dietary proteins and catabolism of amino acids and associated disorders.	PY6.4.2 and 6.5 Describe and discuss the pathophysiology of deep sea diving
11-12PM	PY5.8.2 Describe and discuss systemic cardio-vascular regulatory mechanisms		Batch A: Histo Trachea and Lung AN25.1 Identify, draw and level slides of trachea and lung Batch B : Embryo CVS	Batch A: SDL and Demo – Internal features of heart AN22.2 Describe and demonstrate external and internal features of each chambers of heart	Experimental Lab : Batch A2 Recording of a normal cardiogram on frog's heart and effect of temperature on it.	Experimental Lab Batch B2 Recording of a normal cardiogram on frog's heart and effect of temperature on it.
12-1PM	Lec: BI5.2 Describe and discuss structure and organization of protein with reference to myoglobin, hemoglobin and collagen along with associated disorders of defective formation of proteins		Batch B : Embryo CVS AN25.2 Describe development of pleura, lung, and heart. Batch C: SDL and Demo : internal features of each chambers of Heart	Batch B : Histo-Trachea and Lung AN25.1 Identify , draw, and label slides of Trachea and Lung Batch C: Embryo: CVS AN25.2 Describe	PY3.18 Hematology Lab Batch A1 Determination of blood groups PY2.11 Batch B1 and B2 Small group discussion / tutorial / integrated learning / self directed	PY3.18 Hematology Lab Batch B1 Determination of blood groups PY2.11 Batch A1 and A2 Small group discussion / tutorial / integrated learning /

			development of pleura, Lung, and Heart (Horizontal integration – Physiology)	learning early clinical exposure	self directed learning early clinical exposure
1-2PM	LUNCH				
2-4PM	PSM:1.8. Describe the demographic profile of India, and discuss its impact on health	Experimental lab: Batch B1 Recording of normal cardiogram on frog's heart and effect of temperature on it. PY3.18 Haematology lab: Batch B2 Determination of blood groups PY2.11	Small group discussion/ tutorial/ integrated learning/ Self directed learning early clinical exposure	Batch C: Histo – Trachea and Lung AN25.1: identify, draw, and label slides of trachea and lung Batch A: Embryo- CVS AN25.2: Describe development of Pleura, Lung, and Heart Batch B: SDL and Demo- Internal features of Heart AN22.2: Describe and demonstrate external and internal features of each chambers of Heart	
		BI Seminar: Batch A			

TIME	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	Lecture: Posterior Mediastinum II (Oesophagus and descending thoracic aorta)	Lecture: Sectional anatomy of thorax at important vertebral levels (SDL)	PY11.4 and 11.8 Exercise physiology – Cardio respiratory physiology	PY 11.8 Exercise physiology – Cardiac changes	Lecture: Mechanism of respiration AN21.9 Describe and	Lec: BI5.4 Describe synthesis of non essential amino

	<p>AN23.1 Describe and demonstrate the external appearance, relations, blood supply, nerve supply, lymphatic drainage and applied anatomy of oesophagus</p> <p>AN23.4 Mention the extant, branches and relations of arch of aorta and descending thoracic aorta (ECE)</p>				<p>demonstrate mechanism and types of respiration (Horizontal integration – Physiology)</p>	<p>acids, derived products and their biological significance.</p>
9-10AM	<p>Dissection: Posterior Mediastinum</p> <p>AN23.1 Describe and demonstrate the external appearance, relations, blood supply, nerve supply, lymphatic drainage and applied anatomy of oesophagus</p> <p>AN23.2 Describe & demonstrate the extent, relations tributaries of thoracic duct and enumerate its applied anatomy</p> <p>AN23.3 Describe & demonstrate origin, course, relations,</p>	<p>Demo/ Dissection: Posterior mediastinum</p> <p>AN23.1 Describe and demonstrate the external appearance, relations, blood supply, nerve supply, lymphatic drainage and applied anatomy of oesophagus</p> <p>AN23.2 Describe & demonstrate the extent, relations tributaries of thoracic duct and enumerate its applied anatomy</p> <p>AN23.3 Describe & demonstrate origin, course, relations,</p>	<p>Lec</p> <p>BI 5.3 Describe the digestion and absorption of dietary proteins and catabolism of amino acids and associated disorders</p>	<p>Lecture: Genetics: Chromosomes</p> <p>AN73.1 Describe the structure of chromosomes with classification</p> <p>AN73.2 Describe technique of karyotyping with its applications</p> <p>AN73.3 Describe the Lyon's hypothesis</p>	<p>Revision</p>	<p>Revision</p>

	<p>tributaries and termination of superior vena cava, azygos, hemiazygos and accessory hemiazygos vein</p> <p>AN23.4 Mention the extent, branches and relations of arch of aorta & descending thoracic aorta</p> <p>AN23.5 Identify & Mention the location and extent of thoracic sympathetic chain (Vertical integration- General surgery)</p>	<p>tributaries and termination of superior vena cava, azygos, hemiazygos and accessory hemiazygos vein</p> <p>AN23.4 Mention the extent, branches and relations of arch of aorta & descending thoracic aorta</p> <p>AN23.5 Identify & Mention the location and extent of thoracic sympathetic chain (Vertical integration- General surgery)</p>				
10-11AM	<p>Dissection: Posterior Mediastinum</p> <p>AN23.1 Describe and demonstrate the external appearance, relations, blood supply, nerve supply, lymphatic drainage and applied anatomy of oesophagus</p> <p>AN23.2 Describe & demonstrate the extent, relations tributaries of thoracic duct and enumerate its applied anatomy</p>	<p>Dissection: Posterior Mediastinum</p> <p>AN23.1 Describe and demonstrate the external appearance, relations, blood supply, nerve supply, lymphatic drainage and applied anatomy of oesophagus</p> <p>AN23.2 Describe & demonstrate the extent, relations tributaries of thoracic duct and enumerate its applied anatomy</p>	<p>Lec: Thoracoabdominal diaphragm & joints of thorax.</p> <p>AN47.13 Describe & demonstrate the attachments, openings, nerve supply & action of the thoracoabdominal diaphragm</p> <p>AN47.14 Describe the abnormal openings of thoracoabdominal diaphragm and diaphragmatic hernia</p>	<p>Lec: Radiology of thorax</p> <p>AN25.7 Identify structures seen on a plain x-ray chest (PA view)</p> <p>AN25.8 Identify and describe in brief a barium swallow (Vertical integration- Radiodiagnosis/ General medicine)</p>	<p>Lec BI5.3 Describe the digestion & absorption of dietary proteins & catabolism of amino acid & associated disorder.</p>	<p>PY5.11.1 Describe the pathophysiology of shock, syncope.</p>

	<p>AN23.3 Describe & demonstrate origin, course, relations, tributaries and termination of superior vena cava, azygos, hemiazygos and accessory hemiazygos vein</p> <p>AN23.4 Mention the extent, branches and relations of arch of aorta & descending thoracic aorta</p> <p>AN23.5 Identify & Mention the location and extent of thoracic sympathetic chain (Vertical integration- General surgery)</p>	<p>AN23.3 Describe & demonstrate origin, course, relations, tributaries and termination of superior vena cava, azygos, hemiazygos and accessory hemiazygos vein</p> <p>AN23.4 Mention the extent, branches and relations of arch of aorta & descending thoracic aorta</p> <p>AN23.5 Identify & Mention the location and extent of thoracic sympathetic chain (Vertical integration- General surgery)</p>	<p>AN21.8 Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints</p> <p>AN21.10 Describe costochondral and interchondral joints (Vertical integration- General surgery)</p>			
11-12PM	<p>PY5.10 Pulmonary circulation</p>	<p>PY5.9.3 Describe the factors affecting blood pressure (BP)</p>	<p>Batch A: Embryo-CVS</p> <p>AN25.2 Describe development of pleura, lung & heart</p> <p>AN25.3 Describe fetal circulation and changes occurring at birth</p> <p>AN25.4 Describe embryological basis of: 1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy & 4) tracheo-</p>	<p>Batch A & C: SDL & Demo/diss-mediastinum</p> <p>Batch B: Embryo-CVS</p> <p>AN25.2 Describe development of pleura, lung & heart</p> <p>AN25.3 Describe fetal circulation and changes occurring at birth</p> <p>AN25.4 Describe embryological basis of:</p>	<p>Experimental lab Batch A2: Properties of cardiac muscle</p> <p>PY3.18</p> <p>Haematology Lab Batch A1 Determination of bleeding time & clotting time</p> <p>PY2.11</p>	<p>Experimental lab Batch B2: Properties of cardiac muscle</p> <p>PY3.18</p> <p>Haematology Lab Batch B1 Determination of bleeding time & clotting time</p> <p>PY2.11</p>
12-1PM	<p>Lec:</p> <p>BI5.3 Describe the digestion & absorption</p>	<p>AETCOM</p>	<p>1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy & 4) tracheo-</p>	<p>AN25.4 Describe embryological basis of:</p>	<p>Batch B2</p> <p>BI11.9 Demonstrate the estimation of serum</p>	<p>Batch A2</p> <p>BI11.9 Demonstrate the estimation of</p>

	of dietary proteins & catabolism of amino acid & associated disorder.		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 Batch B & C: SDL & Demo/diss-mediastinum	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	total cholesterol & HDL cholesterol Batch B1- SGD	serum total cholesterol & HDL cholesterol Batch A1- SGD
1-2PM	LUNCH					
2-4PM	SPORTS	Experimental lab Batch A1: Recording of a normal cardiogram on frogs heart & effect of temperature on it Properties of cardiac muscle PY3.18 Haematology Lab Batch A2: Determination of blood groups Determination of bleeding time & clotting time	Experimental lab Batch B1: Recording of a normal cardiogram on frogs heart & effect of temperature on it Properties of cardiac muscle PY3.18 Haematology Lab Batch B2: Determination of blood groups Determination of bleeding time & clotting time	Small Group Discussion/ Tutorial/ Integrated learning/ SDL\ ECE	Batch A & B: SDL & 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,	

		PY2.11	PY2.11		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
		Batch B1: BI11.9 Demonstrate the estimation of serum total cholesterol & HDL cholesterol Batch B2- SGD	Batch A1 BI11.5 Describe screening of urine for in born errors & describe the use of paper chromatography Batch A2- SGD		

TIME	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 borders and fissures, trachea, heart borders, apex beat & surface projection of valves of heart. <i>(Vertical integration- General Medicine, Paediatrics)</i> <i>(Horizontal integration- Physiology)</i>	Lec: Genetics AN 74.1 Describe the various modes of inheritance with examples AN 74.2 Draw pedigree charts for the various types of inheritance & give examples of diseases of each mode of inheritance AN74.3 Describe multifactorial	Revision	Revision	Lec: Clinical correlates in Thorax <i>(Vertical integration with Medicine)</i>	Lec: BI6.4 Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin metabolism, bilirubin metabolism and degradation.

		<p>inheritance with examples</p> <p>AN 74.4 Describe the genetic basis & clinical features of Achondroplasia, Cystic Fibrosis, Vitamin D resistant rickets, Haemophilia, Duchene's muscular dystrophy & Sickle cell anaemia (Vertical integration with General Medicine, Paediatrics)</p>				
9-10AM	<p>Demo: Joints of Thorax</p> <p>AN 21.8 Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints</p> <p>AN21.10 Describe costochondral and interchondral joints</p>	<p>Demo: Surface marking of Thorax</p> <p>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.</p> <p>Demo: Sections of Thorax</p>	<p>Lec:</p> <p>BI6.4 Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin metabolism, bilirubin metabolism and degradation.</p>	Formative Assessment	Revision	Revision
10-11AM	<p>Demo: Joints of Thorax</p> <p>AN21.8 Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral,</p>	<p>Demo: Surface marking of Thorax</p> <p>AN25.9 Demonstrate surface marking of lines of pleural reflection, lung borders and fissures, trachea,</p>	<p>Revision: Bones of Thorax</p>	Formative Assessment	<p>Lec:</p> <p>BI 6.4 Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin</p>	Revision

	<p>costotransverse and xiphisternal joints</p> <p>AN21.10 Describe costochondral and interchondral joints</p>	<p>heart borders, apex beat & surface projection of valves of heart.</p> <p>Demo: Sections of Thorax</p>			<p>metabolism, bilirubin metabolism and degradation.</p>	
11-12PM	<p>PY5.11.2 and PY11.5 Describe the pathophysiology of heart failure and hypertension</p> <p>Describe and discuss physiological consequences of sedentary lifestyle.</p>	<p>Revision</p>	<p>Revision: Soft parts Thorax</p>	<p>Formative assessment</p>	<p>Experimental lab-Batch A2 Revision</p> <p>Haematology lab-Batch A1 Revision</p>	<p>Experimental lab-Batch B2 Revision</p> <p>Haematology lab-Batch B1 Revision</p>
12-1PM	<p>Lec:</p> <p>BI6.1 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.</p>	<p>AETCOM</p>			<p>Batch B2:</p> <p>BI11.5 Describe screening of Urine for inborn errors & Describe the use of paper chromatography</p> <p>B1 SGD visit to clinical genetic lab in hospital</p>	<p>Batch A2:</p> <p>BI11.5 Describe screening of Urine for inborn errors & Describe the use of paper chromatography</p> <p>B1 SGD visit to clinical genetic lab in hospital</p>
1-2PM	LUNCH					
2-4PM	<p>PSM1.9 Demonstrate the role of effective communication skills in health in a simulated environment</p> <p>1.10 Demonstrate the</p>	<p>Experimental lab-Batch A1 Revision</p> <p>Haematology lab-Batch A2</p>	<p>Experimental lab-Batch B1 Revision</p> <p>Haematology lab-Batch B2</p>	<p>Small group discussion/ Tutorial / Integrated learning/ self- directed learning/ Early clinical exposure</p>	<p>Revision</p>	

important aspect of doctor patient relationship in a simulated environment	Revision	Revision			
	Batch B1: BI11.5 Describe screening of Urine for inborn errors & Describe the use of paper chromatography B2 SGD visit to clinical genetic lab in hospital	Batch A1: BI11.5 Describe screening of Urine for inborn errors & Describe the use of paper chromatography A2 SGD visit to clinical genetic lab in hospital			

TIME	MONDAY 2.12.19	TUESDAY 3.12.19	WEDNESDAY 4.12.19	THURSDAY 5.12.19	FRIDAY 6.12.19	SATURDAY 7.12.19
	Revision	Revision	Mid Term – I: 4th December-14th December 2019			

TIME	MONDAY 9.12.19	TUESDAY 10.12.19	WEDNESDAY 11.12.19	THURSDAY 12.12.19	FRIDAY 13.12.19	SATURDAY 14.12.19
	Mid Term – I: 4th December-14th December 2019					

TIME	MONDAY 16.12.19	TUESDAY 17.12.19	WEDNESDAY 18.12.19	THURSDAY 19.12.19	FRIDAY 20.12.19	SATURDAY 21.12.19
	Student Vacation: 15th December to 31st December 2019					

TIME	MONDAY 23.12.19	TUESDAY 24.12.19	WEDNESDAY 25.12.19	THURSDAY 26.12.19	FRIDAY 27.12.19	SATURDAY 28.12.19
	Student Vacation: 15th December to 31st December 2019					

TIME	MONDAY 30.12.19	TUESDAY 31.12.19	WEDNESDAY 01.01.20	THURSDAY 02.01.20	FRIDAY 03.01.20	SATURDAY 04.01.20
8-9AM	<p style="text-align: center;">Student Vacation: 15th December to 31st December 2019</p>		<p>PY5.10 Describe and discuss microcirculation and lymphatics</p>	<p>Lecture</p> <p>PY10.1 Describe and discuss the organisation of nervous system (Horizontal integration with Anatomy)</p>	<p>Lecture: Face II and Lacrimal apparatus</p> <p>AN28.2 Describe sensory innervation of face</p> <p>AN28.3 Describe & demonstrate origin /formation, course, branches /tributaries of facial vessels</p> <p>AN28.4 Describe & demonstrate branches of facial nerve with distribution</p> <p>AN28.7 Explain the anatomical basis of facial nerve palsy</p> <p>AN28.8 Explain surgical importance of deep facial vein</p> <p>AN31.4 Enumerate components of Lacrimal apparatus (Vertical integration with General Medicine)</p>	<p>BI9.2 Describe the tests that are commonly done in clinical practice to assess the functions of these organs (Kidney, liver, thyroid and adrenal gland)</p>
9-10AM			<p>BI9.1 Describe the hormones synthesized from kidney, thyroid, pituitary and adrenal</p>	<p>Lecture: Scalp/ face I</p> <p>AN27.1 Describe the layers of scalp, its</p>	<p>PY5.10 Describe and discuss cutaneous and splanchnic circulation</p>	<p>Demo: Norma occipitalis and lateralis</p> <p>AN26.2b Describe the</p>

**Student Vacation:
15th December to
31st December 2019**

10-11AM

<p>glands</p>	<p>blood supply, its nerve supply and its surgical importance</p> <p>AN27.2 Describe emissary veins with its role in spread of infection of extra-cranial route to intra-cranial venous sinuses</p> <p>AN28.1 Describe & demonstrate muscles of facial expression and their nerve supply</p> <p>AN28.6 Identify superficial muscles of face, their nerve supply and actions SDL (Vertical integration with General Surgery)</p>		<p>features of norma frontalis, verticalis, occipitalis, lateralis and basalis</p>
<p>Lecture: Introduction to Head & Neck</p> <p>AN26.1 Demonstrate anatomical position of skull, identify and locate individual skull bones in skull</p> <p>AN26.6 Explain the concept of bones that ossify in membrane</p>	<p>Lecture: Genetics</p> <p>AN75.1 Describe the structural and numerical chromosomal aberrations</p> <p>AN75.2 Explain the terms mosaics and chimeras with example</p> <p>AN75.3 Describe the genetic basis & clinical features of Prader Willi syndrome,</p>	<p>B19.1 Describe the hormones synthesized from kidney, thyroid, pituitary and adrenal glands</p>	<p>Lecture</p> <p>PY10.2 Describe and discuss the functions and properties of synapse, reflex and receptors (Horizontal Integration Anatomy)</p>

**Student Vacation:
15th December to
31st December 2019**

			Edward syndrome & Patau syndrome AN75.4 Describe genetic basis of variation: polymorphism and mutation <i>(Vertical integration with Paediatrics)</i> AN75.5 Describe the principles of genetic counselling <i>(Vertical integration with Paediatrics, Obstetrics and Gynaecology)</i>		
11-12PM		Demo: Landmarks of Head and Neck, Norma verticalis and frontalis AN26.1 Demonstrate anatomical position of skull, identify and locate individual skull bones in skull AN26.2a Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	Demo: Landmarks of Head and Neck, Norma verticalis and frontalis AN26.1 Demonstrate anatomical position of skull, identify and locate individual skull bones in skull AN26.2a Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	Experimental lab BATCH A2 Effects of drugs on intact frog's heart PY3.18 Haematology lab BATCH A1 Determination of Ameth count PY2.11 BATCH B2	Experimental lab BATCH B2 Effects of drugs on intact frog's heart PY3.18 Haematology lab BATCH B1 Determination of Ameth count PY2.11 BATCH A2
12-1PM				BATCH B2 BI11.21B Demonstrate estimation of urea and urea clearance in serum SGD: BATCH B1	BATCH A2 BI11.21B Demonstrate estimation of urea and urea clearance in serum SGD: BATCH A1

1-2PM	LUNCH				
2-4PM	Student Vacation: 15th December to 31st December 2019	<p>Experimental lab BATCH A2 Effects of drugs on intact frog's heart</p> <p>PY3.18 Haematology lab BATCH A1 Determination of Ameth count</p>	<p>Small Group Discussion/ Tutorial/ Integrated learning/ SDL/ Early clinical exposure</p>	<p>Demo: Frontal and parietal bone</p> <p>AN26.2a Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis Dissection: Scalp and Face</p> <p>AN27.1 Describe the layers of scalp, its blood supply, its nerve supply and its surgical importance</p>	
<p>PY2.11 BATCH B2</p> <p>BI11.21B Demonstrate estimation of urea and urea clearance in serum</p> <p>SGD: BATCH B1</p>					

TIME	MONDAY 06.01.20	TUESDAY 07.01.20	WEDNESDAY 08.01.20	THURSDAY 09.01.20	FRIDAY 10.01.20	SATURDAY 11.01.20
8-9AM	Lec: Histology (integumentary system) AN72.1 Identify the skin and its appendages under the microscope and correlate the structures with function.	Lec: Parotid region I AN28.9a Describe and demonstrate the parts, borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical importance.	Lec no. 4- Functions and properties of reflex PY10.2 Describe and discuss the functions and properties of synapse, reflex and receptors. (Horizontal integration with Anatomy)	PY5.10 Describe and discuss cerebral circulation and CSF.	Lec: Deep cervical fascia II AN35.10 Describe the fascial spaces of neck.	BI9.5 Discuss the involvement of ECM components in health and disease.
9-10AM	Diss: face Demo: mandible (features pertaining to parotid region) AN28.1 Describe & demonstrate muscles of facial expression and their nerve Supply AN28.6 Identify superficial muscles of face, their nerve supply and actions	Histo: Batch A Diss: Batch B & C (Face and parotid region) AN72.1 Identify the skin and its appendages under the microscope and correlate the structure with function AN28.1 Describe & demonstrate muscles of facial expression and their nerve Supply	BI9.3 Describe and discuss cell cycle and its regulation, apoptosis (special mention about p53), oncogene and oncogene activation	Lecture: General plan of neck and cervical fascia I AN35.1 Describe the parts, extent, attachments, modifications of deep cervical fascia	Lec no. 5- Functions and properties of reflex PY10.2 Describe and discuss the functions and properties of synapse, reflex and receptors. (Horizontal integration with Anatomy)	Demo: Cervical vertebra AN26.5 Describe features of typical & atypical cervical vertebrae (Atlas & axis) AN26.7 Describe the features of 7 th cervical vertebra AN42.1 Describe the contents of vertebral canal
10-11AM	AN28.2 Describe sensory innervation of face AN28.3 Describe & demonstrate origin /formation, course, branches /tributaries of facial vessels	AN28.2 Describe sensory innervation of face AN28.3 Describe & demonstrate origin /formation, course, branches /tributaries of	Lecture: 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	Demo: Mandible AN26.4 Describe morphological features of mandible	BI9.4 Describe various tumor markers and the biochemical basis of cancer therapy (SGD)	PY8.3 Describe the physiology of thymus and pineal gland

	<p>AN28.4 Describe & demonstrate branches of facial nerve with distribution</p> <p>AN26.4 Describe morphological features of mandible.</p>	<p>facial vessels</p> <p>AN28.4 Describe & demonstrate branches of facial nerve with distribution</p> <p>AN28.6 Identify superficial muscles of face, their nerve supply and actions</p> <p>AN28.9 Describe & demonstrate the parts, borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical importance</p>	<p>surgical importance</p> <p>AN28.10 Explain the anatomical basis of Frey's syndrome (Vertical integration with General Surgery)</p>			
11-12PM	<p>Lec no. 3- Functions and properties of reflex</p> <p>PY10.2 Describe and discuss the functions and properties of synapse, reflex and receptors. (Horizontal integration with Anatomy)</p>	<p>PY5.10 Describe and discuss coronary circulation</p>	<p>Histology BATCH B Dissection BATCH A & C (Face & Parotid region)</p> <p>AN72.1 Identify the skin and its appendages under the microscope and correlate the structure with function</p> <p>AN28.1 Describe & demonstrate muscles of facial expression and their nerve supply</p>	<p>Histology BATCH C Dissection BATCH A & B (Face & Parotid region)</p> <p>AN72.1 Identify the skin and its appendages under the microscope and correlate the structure with function</p> <p>AN28.1 1 Describe & demonstrate muscles of facial expression and their nerve supply</p>	<p>Experimental lab-Batch A1</p> <p>Effect of stimulation of Vagus nerve and phenomenon of vagal escape.</p> <p>PY3.18</p> <p>Haematology lab Batch A2 Determination of Ameth count (Revision)</p> <p>PY2.11</p>	<p>Experimental lab-Batch B1</p> <p>Effect of stimulation of Vagus nerve and phenomenon of vagal escape.</p> <p>PY3.18</p> <p>Haematology lab Batch B2 Determination of Ameth count (Revision)</p> <p>PY2.11</p>
12-1PM	BI9.3 Describe and	AETCOM			Batch B2	Batch A2

	<p>discuss cell cycle and its regulation, apoptosis (special mention about p53), oncogene and oncogene activation</p>		<p>AN28.6 Identify superficial muscles of face, their nerve supply and actions</p> <p>AN28.2 Describe sensory innervation of face</p> <p>AN28.3 Describe & demonstrate origin /formation, course, branches /tributaries of facial vessels</p> <p>AN28.4 Describe & demonstrate branches of facial nerve with distribution</p> <p>AN28.9 9 Describe & demonstrate the parts, borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical importance</p>	<p>AN28.6 Identify superficial muscles of face, their nerve supply and actions</p> <p>AN28.2 2 Describe sensory innervation of face</p> <p>AN28.3 Describe & demonstrate origin /formation, course, branches /tributaries of facial vessels</p> <p>AN28.4 Describe & demonstrate branches of facial nerve with distribution</p> <p>AN28.9 9 Describe & demonstrate the parts, borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical importance</p>	<p>BI11.7 Demonstrate the estimation of Serum Creatinine and creatinine clearance</p> <p>Batch B1 SGD with FA</p>	<p>BI11.7 Demonstrate the estimation of Serum Creatinine and creatinine clearance</p> <p>Batch A1 SGD with FA</p>
1-2PM	LUNCH					
2-4PM	<p>PSM2.1 Describe the steps and perform clinico-socio-cultural and demographic assessment of individual, family, community</p>	<p>Experimental lab- Batch A1</p> <p>Effect of stimulation of Vagus nerve and phenomenon of vagal escape.</p> <p>PY3.18</p>	<p>Experimental lab- Batch B1</p> <p>Effect of stimulation of Vagus nerve and phenomenon of vagal escape.</p> <p>PY3.18</p>	<p>Small group discussion/ tutorial/ integrated learning/ SDL/ Early clinical exposure.</p>	<p>Demo: Norma Basalis I</p> <p>AN26.2C: Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis.</p> <p>Demo: Deep cervical</p>	

		Haematology lab Batch A2 Determination of Ameth count (Revision) PY2.11	Haematology lab - Batch B2 Determination of Ameth count (Revision) PY2.11		fascia AN35.1 AN35.10	
		Batch B1 BI11.21B Demonstrate the estimation of urea and urea clearance in serum Batch B2 SGD with FA	Batch A1 BI11.7 Demonstrate the estimation of Serum Creatinine and creatinine clearance Batch A2 SGD with FA			

TIME	MONDAY 13.01.20	TUESDAY 14.01.20	WEDNESDAY 15.01.20	THURSDAY 16.01.20	FRIDAY 17.01.20	SATURDAY 18.01.20
8-9AM	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	Lec: Physiology of image formation, refractive errors PY10.17 Describe and discuss functional anatomy of eye, physiology of image formation, physiology of vision including colour vision, refractive errors, colour blindness, physiology of pupil and light reflex (Vertical integration- Ophthalmology)	Lecture No.7: Functions and properties of reflex PY10.2 Describe and discuss the functions and properties of synapse, reflex, receptors (Horizontal integration with Anatomy)	Lec: Anterior and submandibular triangle II AN32.1a Describe boundaries and subdivisions of anterior triangle AN32.2b Describe & demonstrate boundaries and contents of muscular, carotid, digastric and submental triangles	BI9.7 Describe the role of oxidative stress in the pathogenesis of conditions such as cancer, complications of diabetes mellitus and atherosclerosis. Describe the antioxidant defence system in the body

		AN29.4 Describe & demonstrate attachments of 1) inferior belly of omohyoid, 2) scalenus anterior, 3) scalenus medius & 4) levator scapulae (Vertical integration General Surgery)				
9-10AM	Diss (Neck): AN29.1 AN32.1	Histology: Batch A Diss(Posterior triangle) Batch B and C AN43.22 AN52.112 AN29.4 AN32.1	BI9.7 Describe the role of oxidative stress in the pathogenesis of conditions such as cancer, complications of diabetes mellitus and atherosclerosis. Describe the antioxidant defence system in the body	Lec: Anterior and submandibular triangle I AN32.1a Describe boundaries and subdivisions of anterior triangle AN32.2b Describe & demonstrate boundaries and contents of muscular, carotid, digastric and submental triangles	Lec: Physiology of vision PY10.17 Describe and discuss functional anatomy of eye, physiology of image formation, physiology of vision including colour vision, refractive errors, colour blindness, physiology of pupil and light reflex (Vertical integration-Ophthalmology)	Interactive session SDL
10-11AM	Diss (Neck): AN29.1 AN32.1	Histology: Batch A Diss(Posterior triangle) Batch B and C AN43.22 AN52.112 AN29.4 AN32.1	Diss (Triangles of neck): AN29.4 AN32.1	Diss (Triangles of neck): AN32.1 AN32.2	BI9.7 Describe the role of oxidative stress in the pathogenesis of conditions such as cancer, complications of diabetes mellitus and atherosclerosis. Describe the antioxidant defence system in the body SGD (Vertical Integration)	Lecture No.8: Functions and properties of receptors PY10.2 Describe and discuss the functions and properties of synapse, reflex, receptors (Horizontal)

					Pathology)	integration with Anatomy)
11-12PM	Lec: Functional anatomy of eye PY10.17 Describe and discuss functional anatomy of eye, physiology of image formation, physiology of vision including colour vision, refractive errors, colour blindness, physiology of pupil and light reflex (Vertical integration-Ophthalmology)	Lecture No.6: Functions and properties of reflex PY10.2 Describe and discuss the functions and properties of synapse, reflex, receptors (Horizontal integration with Anatomy)	Histology: Batch B Diss(Posterior triangle) Batch A and C AN43.22 AN52.112 AN29.4 AN32.1	Histology: Batch C Diss(Posterior triangle) Batch A and B AN43.22 AN52.112 AN29.4 AN32.1	Experimental Lab Batch A2 Effect of variables on frog's heart PY3.18 Haematology lab Batch A1 Determination of Absolute Eosinophil Count PY2.11 Small group discussion/Tutorial/ Integrated Learning/SDL Early clinical exposure Batch B1, B2	Experimental Lab Batch B2 Effect of variables on frog's heart PY3.18 Haematology lab Batch B1 Determination of Absolute Eosinophil Count PY2.11 Small group discussion/Tutorial/ Integrated Learning/SDL Early clinical exposure Batch A1, A2
12-1PM	BI9.5 Discuss the involvement of ECM components in health and disease	AETCOM				
1-2PM	LUNCH					
2-4PM	SPORTS	Experimental Lab Batch A1 Effect of variables on frog's heart PY3.18 Haematology lab Batch A2 Determination of Absolute Eosinophil Count PY2.11 Batch B1	Experimental Lab Batch B1 Effect of variables on frog's heart PY3.18 Haematology lab Batch B2 Determination of Absolute Eosinophil Count PY2.11 Batch A1	Small group discussion/Tutorial/ Integrated Learning/SDL Early clinical exposure	Diss (Anterior triangles of neck): AN32.1 AN32.2	

		BI11.7 Demonstrate the estimation of serum creatinine and creatinine clearance Batch B2 SGD with FA	BI11.7 Demonstrate the estimation of SGOT/SGPT Batch A2 SGD with FA		
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TIME	MONDAY 20.01.20	TUESDAY 21.01.20	WEDNESDAY 22.01.20	THURSDAY 23.01.20	FRIDAY 24.01.20	SATURDAY 25.01.20
8-9AM	Lec: Histology (Endocrine II) AN43.21 Identify, describe and draw the microanatomy of Pituitary gland	Lec: Meninges and dural venous sinuses AN30.3 Describe and identify dural folds and dural venous sinuses AN30.4 Describe clinical importance of dural venous sinuses	Lecture No.10: Describe and discuss somatic sensations and sensory tracts. PY10.3: Describe and discuss somatic sensations and sensory tracts. (Horizontal Integration-Anatomy)	Lec: Physiology of colour vision, colour blindness PY10.17 Describe and discuss functional anatomy of eye, physiology of image formation, physiology of vision including colour vision, refractive errors, colour blindness, physiology of pupil and light reflex. (Vertical integration-Ophthalmology)	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 (Vertical integration-Ophthalmology)	BI7.1 Describe and discuss nucleotide structure, chemistry and function.
9-10AM	Dissection: Anterior triangles of neck AN32.1 Describe boundaries and subdivisions of anterior triangle AN32.2 Describe & demonstrate boundaries and contents of muscular,	Prac: Histology: Batch A Demo: Cranio-cerebral relations, meninges and venous sinuses Batch B&C AN43.21 AN26.3 Describe the cranial cavity, its	BI9.6 Describe the role of xenobiotics in disease.	Lec: Orbit I AN31.1 Describe & identify extra ocular muscles of eyeball AN31.2 Describe & demonstrate the nerves and vessels in orbit AN31.3 Describe	Lecture No.11: Describe and discuss somatic sensations and sensory tracts PY10.3: Describe and discuss somatic sensations and sensory tracts. (Horizontal Integration-Anatomy)	Interactive session/SDL

	<p>carotid, digastric and submental triangles</p> <p>AN30.3 Describe & identify dural folds & dural venous sinuses</p>	<p>subdivisions, foramina and structures passing through them</p>		<p>anatomical basis of Horner's syndrome</p> <p>AN31.5 Explain the anatomical basis of oculomotor, trochlear and abducent nerve palsies along with strabismus (Vertical integration-Ophthalmology)</p>		
10-11AM	<p>Dissection: Anterior triangles of neck</p> <p>AN32.1 Describe boundaries and subdivisions of anterior triangle</p> <p>AN32.2 Describe & demonstrate boundaries and contents of muscular, carotid, digastric and submental triangles</p>	<p>Prac: Histology : Batch A</p> <p>Demo: Cranio-cerebral relations, meninges and venous sinuses Batch B&C</p> <p>AN43.21</p> <p>AN26.3 Describe the cranial cavity, its subdivisions, foramina and structures passing through them</p> <p>AN30.3 Describe & identify dural folds & dural venous sinuses</p>	<p>Demo: Orbit</p> <p>AN31.1 Describe & identify extra ocular muscles of eyeball</p> <p>AN31.2 Describe & demonstrate the nerves and vessels in orbit</p>	<p>Dissection: Orbit</p> <p>AN31.1 Describe & identify extra ocular muscles of eyeball</p> <p>AN31.2 Describe & demonstrate the nerves and vessels in orbit</p>	<p>BI7.1 Describe and discuss nucleotide structure, chemistry and function.</p>	<p>Lec: physiological basis of lesion in visual pathway</p> <p>PY10.18 Describe and discuss the physiological basis of lesion in visual pathway (Vertical integration-Ophthalmology)</p>
11-12PM	<p>Lecture No. 9: Functions and properties of receptors</p> <p>PY10.2: Describe and discuss the functions and properties of synapse, reflex and receptors (Horizontal Integration-</p>	<p>Lec: Physiology of colour vision, colour blindness</p> <p>PY10.17 Describe and discuss functional anatomy of eye, physiology of image formation, physiology of vision including</p>	<p>Prac: Histology : Batch B</p> <p>Demo: Cranio-cerebral relations, meninges and venous sinuses Batch A&C</p> <p>AN43.21</p>	<p>Prac: Histology : Batch C</p> <p>Demo: Cranio-cerebral relations, meninges and venous sinuses Batch A&B</p> <p>AN43.21</p>	<p>Experimental lab-Batch A2 Recording of normal arterial blood pressure and heart rate.</p> <p>PY5.12</p> <p>Haematology lab-Batch A1</p>	<p>Experimental lab-Batch B2 Recording of normal arterial blood pressure and heart rate.</p> <p>PY5.12</p> <p>Haematology lab-</p>

	Anatomy)	colour vision, refractive errors, colour blindness, physiology of pupil and light reflex. (Vertical integration-Ophthalmology)	AN26.3 Describe the cranial cavity, its subdivisions, foramina and structures passing through them	AN26.3 Describe the cranial cavity, its subdivisions, foramina and structures passing through them	Determination of Absolute Eosinophil count (Revision) PY 2.11	Batch B1 Determination of Absolute Eosinophil count (Revision) PY 2.11
12-1PM	BI9.6 Describe the role of xenobiotics in disease.	AETCOM	AN30.3 Describe & identify dural folds & dural venous sinuses	AN30.3 Describe & identify dural folds & dural venous sinuses	Batch B2 BI 11.13 Demonstrate the estimation of SGOT/SGPT Batch B1 SGD with FA	Batch A2 BI 11.13 Demonstrate the estimation of SGOT/SGPT Batch A1 SGD with FA
1-2PM	LUNCH					
2-4PM	PSM2.2 Describe the sociocultural factors, family (types), its role in health and disease & demonstrate in a simulated environment the correct assessment of socio-economic status	Experimental lab- Batch A2 Recording of normal arterial blood pressure and heart rate. PY5.12 Haematology lab- Batch A1 Determination of Absolute Eosinophil count (Revision) PY2.11	Experimental lab- Batch B2 Recording of normal arterial blood pressure and heart rate. PY5.12 Haematology lab- Batch B1 Determination of Absolute Eosinophil count (Revision) PY2.11	Small Group Discussion/Tutorial/ Integrated Learning/ SDL Early Clinical Exposure	Lec-Dem: Cranial cavity and Bony Orbit (Digital displayer) AN30.1 Describe the cranial fossae and identify the related structures AN30.2 Describe 7 identify major foramina with structures passing through them AN26.3 Describe cranial cavity, its subdivision, foramina & structures passing through them AN31.1 Describe & identify extra ocular muscles of eyeball	
		Batch B1 BI11.13 Demonstrate the estimation of SGOT/SGPT Batch B2 SGD with FA	Batch A1 BI11.13 Demonstrate the estimation of SGOT/SGPT Batch A2 SGD with FA			

					AN31.2 Describe & demonstrate the orbit (Vertical integration with General Surgery)	
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TIME	MONDAY 27.01.20	TUESDAY 28.01.20	WEDNESDAY 29.01.20	THURSDAY 30.01.20	FRIDAY 31.01.20	SATURDAY 01.02.20
8-9AM	<p>Lecture: Histology (Tonsil, thymus, spleen)</p> <p>AN43.24 Identify, describe and draw the microanatomy of tonsil</p> <p>AN70.22 Identify the lymphoid tissue under the microscope & describe microanatomy of tonsil & correlate the structure with function</p> <p>AN70.23 Identify the lymphoid tissue under microscope & describe microanatomy of thymus and correlate the structure with function</p> <p>AN70.24 Identify the lymphoid tissue under microscope & describe microanatomy of spleen and correlate the structure with function</p>	<p>Lecture: Temporal/ infratemporal fossa I</p> <p>AN33.1 Describe & demonstrate extent, boundaries & contents of temporal & infratemporal fossae</p> <p>AN33.2 Describe & demonstrate attachment, direction of fibres, nerve supply & actions of muscles of mastication</p>	<p>Lecture: Functional anatomy of ear</p> <p>PY10.15 Describe & discuss functional anatomy of ear & auditory pathways & physiology of hearing (Vertical integration with ENT)</p>	<p>Lecture no 13: Describe & discuss motor tracts, mechanism of maintenance of body tone</p> <p>PY10.4 Describe & discuss motor tracts, mechanism of maintenance of body tone (Horizontal integration with Anatomy)</p>	<p>Lecture: TM Joint</p> <p>AN33.3 Describe & demonstrate articulating surface, type & movements of T M Joint</p> <p>AN33.5 Describe the features of dislocation of T M Joint (Vertical integration with General Surgery)</p>	<p>BI7.2 Describe & discuss metabolic processes of nucleotides & associated common disorders namely gout, Lesch Nyhan Syndrome, Orotic acidosis & SCID</p>
9-10AM	Demo: Temporal bone	Histology Batch A	BI7.2 Describe &	Lecture: Temporal/	Lecture: Physiology of	Demo: TM Joint

	<p>AN26.2b Describe the features of norma frontalis, verticalis, occipitalis, lateralis & basalis</p>	<p>Dissection: Temporal/ infratemporal fossa Batch B & C</p> <p>AN43.24 Identify, describe and draw the microanatomy of tonsil</p> <p>AN70.22 Identify the lymphoid tissue under the microscope & describe microanatomy of tonsil & correlate the structure with function</p> <p>AN70.23 Identify the lymphoid tissue under microscope & describe microanatomy of thymus and correlate the structure with function</p> <p>AN33.1</p> <p>AN33.2</p>	<p>discuss metabolic processes of nucleotides & associated common disorders namely gout, Lesch Nyhan Syndrome, Orotic acidosis & SCID</p>	<p>Infratemporal fossa II</p> <p>AN33.2 Describe & demonstrate attachment, direction of fibres, nerve supply & actions of muscles of mastication</p> <p>AN33.4 Explain the clinical significance of pterygoid venous plexus (Vertical integration with General Surgery)</p>	<p>hearing.</p> <p>PY10.15 Describe & discuss functional anatomy of ear & auditory pathways & physiology of hearing (Vertical integration with ENT)</p>	<p>AN33.3 AN33.5</p>
10-11AM	<p>Demo: Temporal bone</p> <p>AN26.2b Describe the features of norma frontalis, verticalis, occipitalis, lateralis & basalis</p>	<p>Histology Batch A Dissection: Temporal/ infratemporal fossa Batch B & C</p> <p>AN43.24 Identify, describe and draw the microanatomy of tonsil</p> <p>AN70.22 Identify the lymphoid tissue under the microscope & describe microanatomy of tonsil & correlate the</p>	<p>Demo: Norma basalis I</p> <p>AN26.2 Describe the features of norma frontalis, verticalis, occipitalis, lateralis & basalis</p>	<p>Diss: Temporal/ Infratemporal fossa</p> <p>AN33.1 Describe & demonstrate extent, boundaries & contents of temporal & infratemporal fossae</p> <p>AN33.2</p>	<p>BI7.2 Describe & discuss metabolic processes of nucleotides & associated common disorders namely gout, Lesch Nyhan Syndrome, Orotic acidosis & SCID</p>	<p>Lecture no 14: spinal cord and its functions, lesion & sensory disturbances</p> <p>PY10.6 Describe and discuss spinal cord, its functions, lesion & sensory disturbances (Horizontal integration-Anatomy)</p>

		<p>structure with function</p> <p>AN70.23 Identify the lymphoid tissue under microscope & describe microanatomy of thymus and correlate the structure with function</p> <p>AN33.1</p> <p>AN33.2</p>				
11-12PM	<p>Lec: Physiological basis of lesion in visual pathway</p> <p>PY10.18 Describe and discuss the physiological basis of lesion in visual pathway (Vertical integration Ophthalmology)</p>	<p>Lecture No.12: Describe and discuss somatic sensations & sensory tracts</p> <p>PY10.3: Describe and discuss somatic sensations & sensory Tracts (Horizontal integration-Anatomy)</p>	<p>Prac: Histology: Batch B; Diss: Temporal/Infra temporal fossa: Batch A and C</p> <p>AN43.24</p> <p>AN70.22</p> <p>AN70.23</p> <p>AN 33.1</p> <p>AN33.2</p>	<p>Prac: Histology: Batch C; Diss: Temporal/Infra temporal fossa: Batch A and B</p> <p>AN43.24</p> <p>AN70.22</p> <p>AN70.23</p> <p>AN 33.1</p> <p>AN33.2</p>	<p>Experimental Lab Batch A2: Recording of a normal arterial blood pressure and Heart rate (revision)</p> <p>PY5.12 Haematology lab Batch A1: Determination of Reticulocyte count (Demonstration)</p> <p>PY2.13</p>	<p>Experimental Lab Batch B2: Recording of a normal arterial blood pressure and Heart rate (revision)</p> <p>PY 5.12 Haematology lab Batch B1 Determination of Reticulocyte count (Demonstration)</p> <p>PY2.13</p>
12-1PM	<p>BI7.2 Describe and discuss metabolic processes of nucleotides and associated common disorders, namely gout, Lesch Nyhan syndrome, Orotic acidosis and SCID.</p>	<p>AETCOM</p>			<p>Batch B2</p> <p>BI 11.12 Demonstrate the estimation of serum bilirubin</p> <p>Batch B1 SGD</p>	<p>Batch A2</p> <p>BI11.12 Demonstrate the estimation of serum bilirubin</p> <p>Batch A1 SGD</p>
1-2PM	LUNCH					
2-4PM		Experimental Lab	Experimental Lab	Small group	Diss: Temporal/Infra	

	SPORTS	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	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	discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure PY 10.19 Describe and discuss auditory and visual evoke potentials (Vertical Integration-Ophthalmology)	temporal fossa AN 33.1 AN33.2	
		Batch B1 BI11.14 Demonstrate the estimation of alkaline phosphatase B2 SGD with FA	Batch A1 BI11.14 Demonstrate the estimation of alkaline phosphatase A2 SGD with FA			

TIME	MONDAY 03.02.20	TUESDAY 04.02.20	WEDNESDAY 05.02.20	THURSDAY 06.02.20	FRIDAY 07.02.20	SATURDAY 08.02.20
8-9AM	Lec- Histology: tongue AN43.2 Identify, describe and draw the microanatomy of tongue	Lec- Pterygopalatine region	Lec no 16: Chemical transmission in nervous system (including the psychiatry element) PY10.10 describe & discuss chemical transmission in the nervous system (outline the psychiatry element)	Lec: Pathophysiology of deafness PY10.16 Describe & discuss pathophysiology of deafness. Describe hearing test (Vertical integration-ENT)	Lec: Thyroid AN35.2 Describe & demonstrate location, parts, borders, surfaces, relations & blood supply of thyroid gland AN35.8 Describe the anatomically relevant clinical features of Thyroid swellings (Vertical integration-General surgery)	BI7.4 Describe the processes involved in replication & repair of DNA & the transcription & translation mechanism

<p>9-10AM</p>	<p>Demo- Pterygopalatine region with normal lateralis</p> <p>AN26.2b Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis.</p>	<p>Batch A- histology Batch B & C- demo: Pterygopalatine region with normal lateralis</p> <p>AN26.2b Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis.</p>	<p>BI7.4 Describe the process involved in replication & repair of DNA & the transcription & translation mechanism</p>	<p>Lec- Submandibular region</p> <p>AN34.1 Describe & demonstrate the morphology, relations and nerve supply of submandibular salivary gland & submandibular ganglion</p> <p>AN34.2 Describe the basis of formation of submandibular stones (Vertical integration- General surgery)</p>	<p>Lec no 17: Chemical transmission in nervous system (including the psychiatry element)</p> <p>PY10.10 describe & discuss chemical transmission in the nervous system (outline the psychiatry element)</p>	<p>Lec- Vessels & nerves of head & neck</p> <p>AN35.3 Demonstrate & describe the origin, parts, course & branches subclavian artery</p> <p>AN35.4 Describe & demonstrate origin, course, relations, tributaries and termination of internal jugular & brachiocephalic veins</p> <p>AN35.6 Describe and demonstrate the extent, formation, relation & branches of cervical sympathetic chain</p> <p>AN35.7 Describe the course and branches of IX, X, XI & XII nerve in the neck</p> <p>AN35.9 Describe the clinical features of compression of subclavian artery and lower trunk of brachial plexus by cervical rib</p>
<p>10-11AM</p>	<p>Demo- Pterygopalatine region with normal lateralis</p> <p>AN26.2b Describe the</p>	<p>Batch A- histology Batch B & C- demo: Pterygopalatine region with normal lateralis</p>	<p>Interactive session/ SDL</p>	<p>Diss- Submandibular region</p> <p>AN34.1 Describe & demonstrate the</p>	<p>BI7.4 Describe the processes involved in replication & repair of DNA & the transcription &</p>	<p>Lec- vestibular apparatus</p> <p>PY10.4 Describe & discuss vestibular</p>

	features of norma frontalis, verticalis, occipitalis, lateralis and basalis.	AN26.2b Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis		morphology, relations and nerve supply of submandibular salivary gland & submandibular ganglion	translation mechanism	apparatus (Horizontal integration-Anatomy)
11-12PM	Lec no 15: Describe & discuss spinal cord, its functions, lesion & sensory disturbances PY10.6 Describe & discuss spinal cord, its functions, lesion & sensory disturbances (Horizontal integration-anatomy)	Lec Physiology of hearing (Contd...) Auditory pathways PY10.15 Describe & discuss functional anatomy of ear & auditory pathways & physiology of hearing (Vertical integration ENT)	Batch B-histo Batch A & C- demo: Pterygopalatine region with normal lateralis AN26.2b Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis.	Batch C-histo Batch A & B- demo: Pterygopalatine region with normal lateralis AN26.2b Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis.	Experimental lab- Batch A2 Effect of exercise on blood pressure & heart rate PY3.15 Haematology lab- Batch A1 Determination of platelet count (demonstration) PY2.13	Experimental lab- Batch B2 Effect of exercise on blood pressure & heart rate PY3.15 Haematology lab- Batch B1 Determination of platelet count (demonstration) PY2.13
12-1PM	BI7.3 Describe the structure and functions of DNA and RNA	AETCOM			Batch B2 BI11.14 Demonstrate the estimation of alkaline phosphatase B1 SGD with FA	Batch A2 BI11.14 Demonstrate the estimation of alkaline phosphatase A1 SGD with FA
1-2PM	LUNCH					
2-4PM	PSM:2.3 Describe and demonstrate in a simulated environment the assessment of barriers to good health and health seeking behaviour	Experimental Lab Batch A1 Effect of exercise on blood pressure and Heart rate PY3.15 Haematology lab Batch A2 Determination of Platelet count	Experimental Lab Batch B1 Effect of exercise on blood pressure and Heart rate PY3.15 Haematology lab Batch B2 Determination of Platelet count	Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure PY 10.19 Describe and discuss auditory	Diss: Thyroid gland and neck AN35.2 (Vertical integration General Surgery)	

		(Demonstration) PY2.13 Batch B1 BI11.14 Demonstrate the estimation of alkaline phosphatase B2 SGD	(Demonstration) PY2.13 Batch A1 BI11.16 and 11.19 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 Outline the basic principles involved in the functioning of instruments commonly used in a biochemistry laboratory and their applications.	and visual evoke potentials		
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TIME	MONDAY 10.02.20	TUESDAY 11.02.20	WEDNESDAY 12.02.20	THURSDAY 13.02.20	FRIDAY 14.02.20	SATURDAY 15.02.20
8-9AM	Lec: Histology - Eye Ball (Cornea & Retina) AN43.26 Identify, describe and	Lec: Oral Cavity tonsil & tongue AN36.1 Describe the 1) morphology,	PY10.7.2 Describe & discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus,	PY10.13 Describe and discuss perception of smell and taste sensation	Lec: Pharynx-I AN 36.5 Describe the clinical significance of	BI7.5 Describe gene mutation & basic mechanism of regulation of gene expression.

	<p>draw the microanatomy of cornea</p> <p>AN43.25 Identify, describe and draw the microanatomy of retina</p> <p>AN43.4 Identify, describe and draw microanatomy of olfactory epithelium, eyelid, lip, sclero-corneal junction, optic nerve, cochlea- organ of corti, pineal gland</p>	<p>relations, blood supply and applied anatomy of palatine tonsil</p> <p>2) Composition of soft palate</p> <p>AN36.2 Describe the components and functions of Waldeyer's lymphatic ring</p> <p>AN36.3 Describe the boundaries and clinical significance of pyriform fossa</p> <p>AN36.4 Describe the anatomical basis of tonsillitis, tonsillectomy, adenoids and peritonsillar abscess</p> <p>AN39.1 Describe & demonstrate morphology, nerve supply, embryological basis of nerve supply , blood supply, lymphatic drainage and actions of extrinsic & intrinsic muscles of tongue</p> <p>AN39.2</p>	<p>cerebellum & limbic system & their abnormalities.</p> <p>Lec: 2 Describe & discuss abnormalities of basal ganglia (Vertical integration- Psychiatry)</p>	<p>PY10.14 Describe and discuss pathophysiology of altered smell and taste sensation Lec: Perception of taste sensation pathophysiology of altered taste sensation (Vertical Integration- ENT)</p>	<p>Killian's dehiscence</p> <p>AN36.2 Describe the components and functions of Waldeyer's lymphatic ring</p>	
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		Explain the anatomical basis of hypoglossal nerve Palsy (Vertical integration ENT)				
9-10AM	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	BI7.4 Describe the process involved in replication & repair of DNA & the transcription & translation mechanism SGD	Lec- Soft palate AN36.1 Describe the 1) morphology, relations, blood supply and applied anatomy of palatine tonsil 2) Composition of soft palate	Lec: Describe & discuss abnormalities of basal ganglia(Cont..) PY10.7.3 Describe & discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum & limbic system & their abnormalities. (Vertical integration-Psychiatry)	Lec: Pharynx-II AN36.5 Describe the clinical significance of Killian's dehiscence AN36.2 Describe the components and functions of Waldeyer's lymphatic ring
10-11AM	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	BI7.5 Describe gene mutation & basic mechanism of regulation of gene expression.	PY10.13 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 (Vertical Integration-ENT)
11-12PM	Lec- vestibular	Lec: Describe &	BATCH C: Histo	Digital displayer-	Experimental lab-	Experimental lab-

	<p>apparatus (Cont..)</p> <p>PY10.4 Describe & discuss vestibular apparatus (Horizontal integration-Anatomy)</p>	<p>discuss abnormalities of basal ganglia(Cont..)</p> <p>PY10.7.1 Describe & discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum & limbic system & their abnormalities. (Vertical integration-Psychiatry)</p>	<p>Batch A & B Diss/demo: Sagittal sections of head & neck</p> <p>AN 43.4</p> <p>AN36.1</p> <p>AN36.3</p> <p>AN39.1</p>	<p>Prosections</p>	<p>Batch A2 Effect of posture on blood pressure & heart rate</p> <p>PY3.15</p> <p>Haematology lab- Batch A1 An introduction to general clinical examination</p> <p>PY11.13</p>	<p>Batch B2 Effect of posture on blood pressure & heart rate</p> <p>PY3.15</p> <p>Haematology lab- Batch B1 An introduction to general clinical examination</p> <p>PY11.13</p>
<p>12-1PM</p>	<p>BI7.4 Describe the process involved in replication & repair of DNA & the transcription & translation mechanism</p>	<p>AETCOM</p>			<p>Batch B2</p> <p>BI 11.16 and 11.19 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</p> <p>Batch B1 Outline the basic principles involved in the functioning of instruments commonly used in a biochemistry laboratory and their</p>	<p>Batch A2</p> <p>BI 11.16 and 11.19 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</p> <p>Batch A1 Outline the basic principles involved in the functioning of instruments commonly</p>

					applications.	used in a biochemistry laboratory and their applications.
1-2PM	LUNCH					
2-4PM	SPORTS	<p>Experimental lab- Batch A1 Effect of posture on blood pressure & heart rate</p> <p>PY3.15</p> <p>Haematology lab- Batch A2 An introduction to general clinical examination</p> <p>PY11.13</p>	<p>Experimental lab- Batch B1 Effect of posture on blood pressure & heart rate</p> <p>PY3.15</p> <p>Haematology lab- Batch B2 An introduction to general clinical examination</p> <p>PY11.13</p>	<p>Small group discussion/ Tutorial/ Integrated Learning/ Self directed learning Early clinical exposure</p>	<p>Demo: Diss/demo: Sagittal sections of head & neck</p> <p>AN36.1</p> <p>AN38.1</p>	
		<p>Batch B1</p> <p>BI 11.16 and 11.19 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</p>	<p>Batch A</p> <p>BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - diabetes mellitus, - dyslipidemia, - myocardial infarction - renal failure, gout, - proteinuria, - nephrotic syndrome, - edema, - jaundice, - liver diseases, disorders of acid-pancreatitis, base balance, - thyroid disorders</p>			

		Batch B2 Outline the basic principles involved in the functioning of instruments commonly used in a biochemistry laboratory and their applications.				
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TIME	MONDAY 17.02.20	TUESDAY 18.02.20	WEDNESDAY 19.02.20	THURSDAY 20.02.20	FRIDAY 21.02.20	SATURDAY 22.02.20
8-9AM	<p>Lec : Nose and paranasal sinuses- I</p> <p>AN37.1 Describe and demonstrate features of nasal septum, lateral wall of nose, their blood supply and nerve supply</p> <p>AN37.2 Describe location and functional anatomy of Paranasal sinuses (Vertical integration – ENT)</p>	<p>Lec: Histology – Eyeball II</p> <p>AN43.4 Identify, describe and draw microanatomy of olfactory epithelium, eyelid, lip, sclero-corneal junction, optic nerve, cochlea- organ of corti, pineal gland</p>	<p>Lec 1- Mechanism of hormone action</p> <p>PY8.6 Describe and differentiate the mechanism of action of steroid, protein and amine hormones</p>	<p>Lec – Describe and discuss abnormalities of cerebellum</p> <p>PY10.7.5 Describe and discuss functions of cerebral cortex, basal ganglia, hypothalamus, cerebellum and limbic system and their abnormalities (Vertical integration – Psychiatry)</p>	HOLIDAY	<p>BI7.6 Describe protein folding and targeting along with its associated disorders</p>
9-10AM	<p>Batch A – Histo Batch B and C – Sagittal sections and SDL (Nose and Larynx)</p> <p>AN43.4 Identify, describe and draw microanatomy of olfactory epithelium, eyelid, lip, sclero-</p>	<p>Batch B – Histo Batch A and C – Sagittal sections and SDL (Nose and Larynx)</p> <p>AN43.4</p> <p>AN37.1 Describe and demonstrate features of nasal septum, lateral</p>	<p>BI7.6 Describe protein folding and targeting along with its associated disorders</p>	<p>Lec: Larynx</p> <p>AN38.1 Describe the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic muscles of the larynx</p>		<p>Lec: Ear</p> <p>AN40.1 Describe and identify the parts, blood supply and nerve supply of external ear</p> <p>AN40.2 Describe and demonstrate the boundaries, contents,</p>

	<p>corneal junction, optic nerve, cochlea- organ of corti, pineal gland</p> <p>AN37.1</p> <p>AN37.2</p> <p>AN38.1 Describe the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic muscles of the larynx</p> <p>AN38.2 Describe the anatomical aspects of laryngitis</p>	<p>wall of nose, their blood supply and nerve supply</p> <p>AN37.2 Describe location and functional anatomy of Paranasal sinuses</p> <p>AN38.1 Describe the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic muscles of the larynx</p> <p>AN38.2 Describe the anatomical aspects of laryngitis</p>		<p>AN38.2 Describe the anatomical aspects of laryngitis</p> <p>AN38.3 Describe anatomical basis of recurrent laryngeal nerve injury</p>		<p>relations and functional anatomy of middle ear and auditory tube</p> <p>AN40.3 Describe the features of internal ear</p> <p>AN40.4 Explain anatomical basis of otitis externa and otitis media</p> <p>AN40.5 Explain anatomical basis of Myringotomy (Vertical integration – ENT)</p>
10-11AM			<p>Lec: Nose and paranasal sinuses II</p> <p>AN37.2 Describe location and functional anatomy of Paranasal sinuses</p> <p>AN37.3 Describe anatomical basis of sinusitis and maxillary sinus tumors</p>	<p>Prac: All batches – Genetics</p> <p>AN73.1 Describe the structure of chromosomes with classification</p> <p>AN73.2 Describe technique of karyotyping with its applications</p> <p>AN73.3 Describe the Lyon's hypothesis</p>		<p>Lec: Describe and discuss function of Hypothalamus</p> <p>PY10.7.6 Describe and discuss functions of cerebral cortex, basal ganglia, hypothalamus, cerebellum and limbic system and their abnormalities (Vertical integration – Psychiatry)</p>
11-12PM	<p>Lec 1- Mechanism of hormone action</p> <p>PY8.6.1 Describe and differentiate the mechanism of action of</p>	<p>Lec: Describe and discuss function of Cerebellum</p> <p>PY10.7.4 Describe and discuss functions</p>	<p>Batch C- Histo Batch A and B – Sagittal section and SDL (Nose and Larynx)</p>	<p>AN74.1 Describe the various modes of inheritance with examples</p>		<p>Experimental Lab- Batch B2 Mosso's Ergograph and hand grip Dynamometer</p> <p>PY3.14</p>

	steroid, protein and amine hormones	of cerebral cortex, basal ganglia, hypothalamus, cerebellum and limbic system and their abnormalities (Vertical integration – Psychiatry)	AN43.4 Identify, describe and draw microanatomy of olfactory epithelium, eyelid, lip, sclero-corneal junction, optic nerve, cochlea- organ of corti, pineal gland	AN74.2 Draw pedigree charts for the various types of inheritance & give examples of diseases of each mode of inheritance		Haematology Lab Batch B1 Clinical examination – Respiratory system PY6.9
12-1PM	BI7.5 Describe gene mutation and basic mechanism of regulation of gene expression	AETCOM	AN37.1 Describe and 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 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	AN74.3 Describe multifactorial inheritance with examples AN74.4 Describe the genetic basis & clinical features of Achondroplasia, Cystic Fibrosis, Vitamin D resistant rickets, Haemophilia, Duchene’s muscular dystrophy & Sickle cell anaemia AN75.1 Describe the structural and numerical chromosomal aberrations AN75.2 Explain the terms mosaics and chimeras with example AN75.3 Describe the genetic basis & clinical features of Prader Willi syndrome, Edward syndrome &		Batch A1 and A2: Small group discussion/ Tutorial/ integrated learning/ self directed learning/ Early clinical exposure

				<p>Patau syndrome</p> <p>AN75.4 Describe genetic basis of variation: polymorphism and mutation</p> <p>AN75.5 Describe the principles of genetic counselling</p>		
1-2PM	LUNCH					
2-4PM	<p>PSM2.4 Describe social, psychology, community behaviour and community relationship and their impact on health and diseases.</p>	<p>Experimental Lab- Batch A1 Mosso's Ergograph and hand grip Dynamometer</p> <p>PY3.14</p> <p>Haematology Lab Batch A2 Clinical examination – Respiratory system</p> <p>PY6.9</p>	<p>Experimental Lab- Batch B1 Mosso's Ergograph and hand grip Dynamometer</p> <p>PY3.14</p> <p>Haematology Lab Batch B2 Clinical examination – Respiratory system</p> <p>PY6.9</p>	<p>Small group discussion/ Tutorial/ integrated learning/ self directed learning/ Early clinical exposure</p>		
		<p>Batch B</p> <p>BI11.17 Explain the basis and rationale of Biochemical test done in the following conditions:- Diabetes mellitus, - dyslipidemia, - myocardial infarction, - renal failure,- gout, - proteinuria, - nephritic syndrome, - oedema, jaundice,- liver</p>	<p>Batch A1</p> <p>BI11.1 Describe and discuss the composition of CSF.</p> <p>A2 SGD</p>			

		diseases, - pancreatitis,- disorders of acid-base balance, - thyroid disorders.			
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TIME	MONDAY 24.02.20	TUESDAY 25.02.20	WEDNESDAY 26.02.20	THURSDAY 27.02.20	FRIDAY 28.02.20	SATURDAY 29.02.20
8-9AM	<p>Lec: Embryology Pharyngeal Arches</p> <p>AN43.4 Describe the development and developmental basis of congenital anomalies of face, palate, tongue, branchial apparatus, pituitary gland, thyroid gland & eye</p>	<p>Lec: Embryology: Face nose and palate</p> <p>AN43.4 Describe the development and developmental basis of congenital anomalies of face, palate, tongue, branchial apparatus, pituitary gland, thyroid gland & eye</p>	<p>Lecture Describe and discuss functions of limbic system</p> <p>PY10.7.8 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum, and limbic system and their abnormalities (Vertical integration Psychiatry)</p>	<p>Lecture 3 Hormones of Anterior pituitary</p> <p>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</p>	<p>Lec: Introduction to Nervous System & Meninges</p> <p>AN56.1 Describe & identify various layers of meninges with its extent & modifications</p> <p>AN56.2 Describe circulation of CSF with its applied anatomy, Syndrome (Vertical integration General Medicine) (Horizontal integration with Physiology)</p>	<p>BI7.7 Describe the applications of molecule techniques like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis</p>
9-10AM	<p>Practical: Embryology Batch B</p> <p>Demo: Joints of head and neck Batch C</p> <p>Surface anatomy & Radiology Head and neck Batch A</p> <p>AN43.1 Describe & demonstrate the</p>	<p>Practical: Embryology Batch A</p> <p>Demo: Joints of head and neck Batch B</p> <p>Surface anatomy & Radiology Head and neck Batch C</p> <p>AN43.1 Describe & demonstrate the</p>	<p>BI7.7 Describe the applications of molecule techniques like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis</p>	<p>Formative assessment</p>	<p>Lecture Describe and discuss functions of limbic system</p> <p>PY10.7.8 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum, and limbic system and their abnormalities (Vertical integration Psychiatry)</p>	<p>Demo: Blood supply of Brain</p> <p>AN62.6 Describe & identify formation, branches & major areas of distribution of circle of Willis</p>

<p>10-11AM</p>	<p>movements with muscles producing the movements of atlantooccipital joint & atlantoaxial joint</p> <p>AN43.4 Describe the development and developmental basis of congenital anomalies of face, palate, tongue, branchial apparatus, pituitary gland thyroid gland & eye</p> <p>AN43.7 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</p> <p>AN43.8 Describe the anatomical route used for carotid angiogram and vertebral angiogram.</p> <p>AN43.9 Identify anatomical structures in carotid angiogram and vertebral angiogram</p> <p>AN 43.5 Demonstrate- 1) Testing of muscles of facial expression,</p>	<p>movements with muscles producing the movements of atlantooccipital joint & atlantoaxial joint</p> <p>AN43.4 Describe the development and developmental basis of congenital anomalies of face, palate, tongue, branchial apparatus, pituitary gland thyroid gland & eye</p> <p>AN43.7 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</p> <p>AN43.8 Describe the anatomical route used for carotid angiogram and vertebral angiogram.</p> <p>AN43.9 Identify anatomical structures in carotid angiogram and vertebral angiogram</p> <p>AN 43.5 Demonstrate- 1) Testing of muscles of facial expression,</p>	<p>Lecture: Parasympathetic ganglia of Head & Neck</p> <p>AN35.7 Describe the course and branches of IX, X, XI & XII nerve in the neck</p>	<p>Formative assessment</p>	<p>BI7.7 Describe the applications of molecular techniques like recombinant DNA technology PCR in the diagnosis & treatment of diseases with genetic basis SGD</p>	<p>Lecture 4: Growth hormone</p> <p>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.</p>
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	<p>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 cricoids cartilage with their vertebral levels</p> <p>AN 43.6 Demonstrate surface projection of- Thyroid gland, Parotid gland and duct, Pterion, Common carotid artery, Internal jugular vein, Subclavian vein, External jugular vein, Facial artery in the face & accessory nerve (Vertical integration- General Surgery, Radio diagnosis)</p>	<p>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 cricoids cartilage with their vertebral levels</p> <p>AN 43.6 Demonstrate surface projection of- Thyroid gland, Parotid gland and duct, Pterion, Common carotid artery, Internal jugular vein, Subclavian vein, External jugular vein, Facial artery in the face & accessory nerve (Vertical integration- General Surgery, Radio diagnosis)</p>				
11-12PM	<p>PY10.7.7 Describe & discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum & limbic system & their abnormalities Lecture: Describe & discuss abnormalities of hypothalamus (Vertical integration- Psychiatry)</p>	<p>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. Lecture2: Hypothalamus & hypo-</p>	<p>Practical embryology Batch C Demo: Joints of head and neck Batch A</p> <p>Surface anatomy & Radiology Head and neck Batch B</p> <p>AN 43.1 Describe &</p>	Formative assessment	<p>Experimental lab Batch A2 Mosso's Ergograph and Hand Grip dynamometer</p> <p>PY3.14</p> <p>Haematology lab Batch A1 Clinical examination respiratory system</p>	<p>Experimental lab Batch B2 Mosso's Ergograph and Hand Grip dynamometer</p> <p>PY3.14</p> <p>Haematology lab Batch B1 Clinical examination respiratory system</p>

		thalamo-pituitary axis			PY6.9	PY6.9
12-1PM	<p>BI 7.7 Describe the applications of molecular techniques like recombinant DNA technology PCR in the diagnosis & treatment of diseases with genetic basis</p>	AETCOM	<p>demonstrate the movements with muscles producing the movements of atlantooccipital joint & atlantoaxial joint</p> <p>AN43.4 Describe the development and developmental basis of congenital anomalies of face, palate, tongue, branchial apparatus, pituitary gland thyroid gland & eye</p> <p>AN43.7 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</p> <p>AN43.8 Describe the anatomical route used for carotid angiogram and vertebral angiogram. Demo:</p> <p>AN43.9 Identify anatomical structures in carotid angiogram and vertebral angiogram</p>		<p>Batch B</p> <p>BI11.17 Explain the basis and rationale of Biochemical test done in the following conditions:- Diabetes mellitus, - dyslipidemia, - myocardial infarction, - renal failure,- gout, - proteinuria, - nephritic syndrome, - oedema, jaundice,- liver diseases, - pancreatitis,- disorders of acid-base balance, - thyroid disorders.</p>	<p>Batch A</p> <p>BI 11.17 Explain the basis and rationale of Biochemical test done in the following conditions:- Diabetes mellitus, - dyslipidemia, - myocardial infarction, - renal failure,- gout, - proteinuria, - nephritic syndrome, - oedema, jaundice,- liver diseases, - pancreatitis,- disorders of acid-base balance, - thyroid disorders.</p>

			<p>AN43.5 Demonstrate-</p> <p>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 cricoids cartilage with their vertebral levels</p> <p>AN43.6 Demonstrate surface projection of- Thyroid gland, Parotid gland and duct, Pterion, Common carotid artery, Internal jugular vein, Subclavian vein, External jugular vein, Facial artery in the face & accessory nerve</p>			
1-2PM	LUNCH					
2-4PM	SPORTS	<p>Experimental lab Batch A1 Mosso's Ergograph and Hand Grip dynamometer</p> <p>PY3.14</p> <p>Haematology lab Batch A2 Clinical examination</p>	<p>Experimental lab Batch B1 Mosso's Ergograph and Hand Grip dynamometer</p> <p>PY3.14</p> <p>Haematology lab Batch B2 Clinical examination</p>	<p>Small group discussion/ tutorial/ integrated learning/ SDL/ early clinical exposure</p>	<p>Demo: Craniocerebral relations Demo: External surface of Brain & meninges</p> <p>AN56 Describe & identify various layers of meninges with its extent & modifications</p>	

		respiratory system	respiratory system			
		Batch B1 BI11.15 Describe & discuss the composition of CSF B2 SGD with FA	Batch A1 BI11.33 Calculate energy content of different food items, identify food items with high & low glycemic index & explain the importance of these in the diet Batch A2 SGD with FA			

TIME	MONDAY 02.03.20	TUESDAY 03.03.20	WEDNESDAY 04.03.20	THURSDAY 05.03.20	FRIDAY 06.03.20	SATURDAY 07.03.20
8-9AM	<p>Lec: Spinal Cord</p> <p>AN57.1 Identify external features of spinal cord</p> <p>AN57.2 Describe extent of Spinal Cord in child and adult with its clinical implication.</p> <p>AN 57.3 Draw and label transverse section of Spinal Cord at mid cervical and mid thoracic level</p> <p>AN57.4 Enumerate ascending and descending tracts at mid-thoracic level of Spinal Cord</p>	<p>Lec: Histology Nervous system I</p> <p>AN68.1 Describe and identify multipolar and unipolar neurons, ganglia, peripheral nerve</p> <p>AN68.2 Describe the structure- function correlation of neuron</p> <p>AN68.3 Describe the ultrastructure of nervous tissue.</p> <p>AN64.1 Describe and identify the micro-anatomical features of Spinal Cord (Horizontal integration)</p>	<p>Lecture 6 Thyroid hormone</p> <p>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.</p>	<p>Lecture: Describe and discuss behavioural and EEG characteristics during sleep</p> <p>PY10.8.1 Describe and discuss behavioural and EEG characteristics during sleep and mechanism responsible for its production. (Vertical integration- Psychiatry)</p>	<p>Lec: Cranial nerve nuclei</p> <p>AN62.1 Enumerate cranial nerve nuclei with its functional component.</p>	<p>BI10.2 Describe and discuss humoral and cellular immune responses, self / non-self-recognition and the central role of T-helper cells in immune response.</p>

	<p>AN57.5 Describe anatomical basis of Syringomelia syndrome. (Vertical integration- General Medicine) (Horizontal integration with Physiology)</p>	with Physiology)				
9-10AM	<p>Demo: Spinal Cord</p> <p>AN 57.1</p> <p>AN 57.2</p> <p>AN57.3</p> <p>AN57.4</p> <p>AN57.5</p>	<p>Demo: Medulla</p> <p>AN58.1 Identify external features of Medulla oblongata.</p>	<p>BI10.1 Describe immune system and its different components, namely in it and adaptive immune response.</p>	<p>Lec: Pons & Midbrain</p> <p>AN59.1 Identify external features of Pons</p> <p>AN59.2 Draw and label transverse section of Pons at the upper and lower level.</p> <p>AN59.3 Enumerate cranial nerve nuclei in Pons with their functional group.</p> <p>AN 61.1 Identify external and internal features of Midbrain</p> <p>AN61.2 Describe internal features of Midbrain at the level of superior and inferior colliculus.</p> <p>AN61.3 Describe the anatomical basis and effects of Benedikt's and Weber's</p>	<p>Lecture 7 Thyroid hormone (contd.)</p> <p>PY8.2.6 Describe the synthesis, secretion, transport, physiological action and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus.</p>	<p>Demo: Midbrain</p> <p>AN 61.1</p> <p>AN 61.2</p> <p>AN61.3</p>

				syndrome. (Vertical integration- General Medicine) (Horizontal integration with Physiology)		
10-11AM	Demo: Spinal Cord AN57.1 AN57.2 AN57.3 AN57.4 AN57.5	Demo: Medulla AN58.1	Lec: Medulla AN58.2 Describe the 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 the anatomical basis and effects of medial and lateral medullary syndromes. (Vertical integration- General medicine) (Horizontal integration with Physiology)	Demo: Pons AN59.1 AN59.2 AN59.3	BI10.1 Describe immune system and its different components, namely innate and adaptive immune response.	Lecture : Describe and discuss mechanism responsible for sleep production PY10.8.2 Describe and discuss behavioural and EEG characteristics during sleep and mechanism responsible for its production. (Vertical integration- Psychiatry)
11-12PM	Lec 5- Growth hormone (cont..) PY8.2.4 Describe the synthesis, secretion, transport, physiological action and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid	Lec- Describe & discuss abnormalities of limbic system (cont.) PY10.7.10 Describe & discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum & limbic system & their	Batch B & C- Demo: Medulla/ Pons AN58.1-58.4 AN59.1-59.3 Batch A- Histology AN64.1	Batch A & C- Demo: Medulla/ Pons AN58.1-58.4 AN59.1-59.3 Batch B- Histology AN64.1	Experimental lab Batch A2- Recording of lung volumes & capacities PY6.8 & PY6.10 Haematology lab Batch A1- Clinical examination CVS	Experimental lab Batch B2- Recording of lung volumes & capacities PY6.8 & PY6.10 Haematology lab Batch B1- Clinical examination CVS

	gland, adrenal gland, pancreas and hypothalamus.	abnormalities (Vertical integration psychiatry)			PY5.15	PY5.15
12-1PM	BI10.1 Describe immune system and its different components, namely innate and adaptive immune response.	AETCOM			BI11.23 Batch B2 Calculate energy content of different food items, identify food items with high & low glycemic index & explain the importance of these in the diet Batch B1 SGD with FA	BI11.23 Batch A2 Calculate energy content of different food items, identify food items with high & low glycemic index & explain the importance of these in the diet Batch A1 SGD with FA
1-2PM	LUNCH					
2-4PM	PSM2.5 Describe poverty & social security measures & its relationship to health & disease.	Experimental lab Batch A1- Recording of lung volumes & capacities PY6.8 & PY6.10 Haematology lab Batch A2- Clinical examination CVS PY5.15 Batch B1	Experimental lab Batch B1- Recording of lung volumes & capacities PY6.8 & PY6.10 Haematology lab Batch B2- Clinical examination CVS PY5.15 Batch A1	Small group discussion/ tutorial/ integrated learning/ SDL/ early clinical exposure	Batch A & B- Demo: Medulla/ Pons AN58.1-58.4 AN59.1-59.3 Batch C- Histology AN64.1	
		BI11.23 Calculate energy content of different food items, identify food items with high & low glycemic index & explain the	BI11.24 Enumerate advantages and/or disadvantages of use of unsaturated, saturated & trans fats in food			

		importance of these in the diet	Batch A2 SGD with FA			
		Batch B2 SGD with FA				

TIME	MONDAY 09.03.20	TUESDAY 10.03.20	WEDNESDAY 11.03.20	THURSDAY 12.03.20	FRIDAY 13.03.20	SATURDAY 14.03.20
8-9AM	<p>Lec: Histology - Nervous System II</p> <p>AN64.1 Describe and identify the microanatomical features of cerebellum</p>	HOLIDAY	<p>PY10.5.1 Describe and discuss structure and function of reticular activation system, autonomic nervous system</p> <p>Lecture</p> <p>Describe and discuss structure and function of reticular activation system</p> <p>(Horizontal integration-Anatomy)</p>	<p>Lec 8- Parathyroid hormone</p> <p>PY 8.2.7 Describe the synthesis, secretion, transport, physiological action and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus.</p>	<p>Lec- cerebrum I</p> <p>AN62.2 Describe & demonstrate surface, sulci, gyri, poles & functional areas of cerebral hemisphere</p>	<p>BI10.2 Describe and discuss humoral and cellular immune responses, self/non-self-recognition & the central role of T-helper cells in immune response</p>
9-10AM	<p>Demo- Cerebellum</p> <p>AN60.1 Describe & demonstrate external & internal features of cerebellum</p> <p>AN60.2 Describe connections of cerebellar cortex and intracerebellar nuclei</p> <p>AN60.3 Describe anatomical basis of cerebellar dysfunction</p>			<p>BI10.2 Describe and discuss humoral and cellular immune responses, self/non-self-recognition & the central role of T-helper cells in immune response</p>	<p>Lec- Thalamus</p> <p>AN62.5 Describe boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus.</p> <p>(Vertical integration-General medicine)</p> <p>(Horizontal integration-Physiology)</p>	<p>PY10.5.2 Describe and discuss structure and function of reticular activation system, autonomic nervous system</p> <p>Lecture</p> <p>Describe and discuss structure and function of autonomic nervous system</p> <p>(Horizontal integration-Anatomy)</p>

<p>10-11AM</p>	<p>Demo: fourth ventricle</p> <p>AN63.1 Describe & demonstrate parts, boundaries & features of IIIrd, IVth & lateral ventricle</p> <p>AN63.2 Describe anatomical basis of congenital hydrocephalus (Vertical integration-pediatrics) (Horizontal integration-Physiology)</p>		<p>Lec- Cerebellum</p> <p>AN60.1 Describe & demonstrate external & internal features of cerebellum</p> <p>AN60.2 Describe connections of cerebellar cortex and intracerebellar nuclei</p> <p>AN60.3 Describe anatomical basis of cerebellar dysfunction (Vertical integration-General medicine) (Horizontal integration-Physiology)</p>	<p>Demo- Third ventricle</p> <p>AN63.1</p>	<p>BI10.2 Describe and discuss humoral and cellular immune responses, self/non-self-recognition & the central role of T-helper cells in immune response</p>	<p>Lec 9: Parathyroid hormone (cont..)</p> <p>PY8.2.8 Describe the synthesis, secretion, transport, physiological action and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus.</p>
<p>11-12PM</p>	<p>PY11.1 Describe and discuss mechanism of temperature regulation</p> <p>PY11.2 Describe and discuss adaptation to altered temperature (heat and cold)</p> <p>PY11.3 Describe and discuss mechanism of fever, cold injuries and heat stroke</p> <p>Lec- Describe and discuss mechanism of temperature regulation. Describe and discuss adaptation to altered temperature (heat and cold). Describe and</p>		<p>Batch A- Histo Batch B & C- Demo diencephalon</p> <p>AN62.5</p>	<p>Batch B- Histo Batch A & C- Demo diencephalon</p> <p>AN62.5</p>	<p>Experimental lab Batch A2- Recording of lung volumes & capacities (revision)</p> <p>PY6.8 & PY6.10</p> <p>Haematology lab Batch A1- Clinical examination CVS (revision)</p> <p>PY5.15</p>	<p>Experimental lab Batch B2- Recording of lung volumes & capacities (revision)</p> <p>PY6.8 & PY6.10</p> <p>Haematology lab Batch B1- Clinical examination CVS (revision)</p> <p>PY5.15</p>

	discuss mechanism of fever, cold injuries and heat stroke					
12-1PM	BI10.2 Describe and discuss humoral and cellular immune responses, self/non-self-recognition & the central role of T-helper cells in immune response				Batch B2 BI11.24 Enumerate advantages and/or disadvantages of use of unsaturated, saturated & trans fats in food Batch B1 SGD with FA	Batch A2 BI11.24 Enumerate advantages and/or disadvantages of use of unsaturated, saturated & trans fats in food Batch A1 SGD with FA

1-2PM	LUNCH					
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2-4PM	SPORTS		Experimental lab Batch B1- Recording of lung volumes & capacities (revision) PY6.8 & PY6.10 Haematology lab Batch B2- Clinical examination CVS (revision) PY5.15 Revision- Practical	Small group discussion/ tutorial/ integrated learning/ SDL/ early clinical exposure	Batch C- Histo Batch A & B- Demo diencephalon AN62.5	
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TIME	MONDAY 16.03.20	TUESDAY 17.03.20	WEDNESDAY 18.03.20	THURSDAY 19.03.20	FRIDAY 20.03.20	SATURDAY 21.03.20
8-9AM	Lec: Cerebrum -II AN62.3 Describe the white matter of cerebrum	Lec: Histology - Nervous System II AN64.1 Describe and identify the microanatomical	Lecture 12 Adrenal cortex: PY8.2.9 Describe the synthesis, secretion, transport, physiological	Lecture: Describe and discuss mechanism of maintenance of tone, control of body movements, Posture and equilibrium and	Lec: Special senses	BI10.3 Describe antigens, autoimmunity and concepts involved in vaccine development.

		features of cerebrum	action, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus	vestibular apparatus PY10.4.4 Describe and discuss motor tract, mechanism of maintenance of tone, control of body movements, Posture and equilibrium and vestibular apparatus <i>(Vertical Integration-Psychiatry)</i>		
9-10AM	Demo: Cerebrum AN62.2-62.3 <i>(Vertical integration General Medicine)</i> <i>(Horizontal integration Physiology)</i>	Demo: Lateral ventricles AN63.1	BI10.2 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 <i>(Horizontal integration with Physiology)</i>	Lecture 12 Adrenal cortex (contd.) PY8.2.10 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)	Lec: Blood Supply of Brain AN62.6 Describe & identify formation, branches & major areas of distribution of Circle of Willis <i>(Vertical integration General Medicine)</i> <i>(Horizontal integration with Physiology)</i>
10-11AM	Demo: Cerebrum AN62.2 AN62.3	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	BI10.2 Describe and discuss humoral and cellular immune responses, self/non-self recognition and the central role of T-helper cells in immune response (SGD)	Lecture: Describe and discuss mechanism of maintenance of tone, control of body movements, Posture and equilibrium (contd.) PY10.4.5 Describe and discuss

						motor tract, mechanism of maintenance of tone, control of body movements, Posture and equilibrium and vestibular apparatus (Horizontal integration -Anatomy)
11-12PM	PY8.1 Describe the physiology of bone and calcium metabolism	Lecture: Describe and discuss structure and function of autonomic nervous system(contd.) PY10.5.3 Describe and discuss structure and function of reticular activation system, autonomic nervous system	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
12-1PM	BI10.2 Describe and discuss humoral and cellular immune responses, self/non-self-recognition and the central role of T-helper cells in immune response	AETCOM			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 B1, B2
1-2PM	LUNCH					
2-4PM	PSM:3.1 Describe the health hazards of air, water, noise, radiation and pollution	Experimental Lab Batch A1 Vitalography PY6.8 Haematology lab:	Experimental Lab Batch B1 Vitalography PY6.8 Haematology lab:	Small group discussion/ Tutorial/ Integrated Learning/Self directed learning Early clinical	Histo batch C Demo Batch A & B: Ventricular System AN63.1-2	

		Batch A2 Recording of ECG PY5.13 Batch B1 BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: Protein electrophoresis PAGE SGD plasma protein Batch B2	Batch B2 Recording of ECG PY5.13 Batch A2 BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: Protein electrophoresis PAGE SGD plasma protein Batch A1	exposure	Histo batch C Demo Batch A & B Ventricular System AN63.1-2	
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TIME	MONDAY 23.03.20	TUESDAY 24.03.20	WEDNESDAY 25.03.20	THURSDAY 26.03.20	FRIDAY 27.03.20	SATURDAY 28.03.20
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	Lec- Speech PY10.9 Describe & discuss the physiological basis of memory, Learning & speech. <i>(Vertical integration- Psychiatry)</i>	Lec 14- Adrenal medulla 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)	Lec- Introduction to lower limb & anterior compartment of thigh I AN15.2 Describe & demonstrate major muscles with their attachment, nerve supply & actions.	BI10.3 Describe antigens, autoimmunity and concepts involved in vaccine development.
9-10AM	Batch A- Embryo AN64.2-64.3 Batch B- Radio	Batch B- Embryo AN64.2-64.3 Batch C- Radio	BI10.3 Describe antigens, autoimmunity and concepts involved in vaccine development.	Formative assessment	PY7.1 Describe structure & function of kidney	Demo- General features of hip bone AN14.2

	Batch C- Demo: Brain sections	Batch A- Demo: Brain sections				AN20.7
10-11AM	Batch A- Embryo AN64.2-64.3 Batch B- Radio Batch C- Demo: Brain sections	Batch B- Embryo AN64.2-64.3 Batch C- Radio Batch A- Demo: Brain sections	Lec-Radiology	Formative assessment	BI10.3 Describe antigens, autoimmunity and concepts involved in vaccine development.	Lec 15- Endocrine-pancreas 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)
11-12PM	Lec- Memory & learning PY10.9 Describe & discuss the physiological basis of memory, Learning & speech.	Lec 13- Adrenal cortex (cont..) 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)	Batch C- Embryo AN64.2-64.3 Batch A- Radio Batch B- Demo: Brain sections	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	BI10.3 Describe antigens, autoimmunity and concepts involved in vaccine development.	AETCOM			Batch B2 BI11.16 Observe use of commonly used equipments/ techniques in bio-chemistry laboratories including DNA isolation from blood/ tissue Batch B1- SGD DNA mutations & repair	Batch A2 BI11.16 Observe use of commonly used equipments/ techniques in bio-chemistry laboratories including DNA isolation from blood/ tissue Batch A1- SGD DNA mutations & repair
1-2PM	LUNCH					
2-4PM	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.	
Batch B2 BI11.16 Observe use of commonly used equipments/ techniques in bio-chemistry laboratories including protein electrophoresis	Batch A2 BI11.16 Observe use of commonly used equipments/ techniques in bio-chemistry laboratories including protein electrophoresis	Demo- Hip bone in relation to lower limb and land marks of lower limb AN14.2 Identify & describe joints formed by the given bone AN20.7 Identify &				

		Batch B1- SGD Plasma protein	Batch A1- SGD Plasma protein		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, -Medial and lateral malleoli, Condyles of femur and tibia, -Tibial tuberosity, Head of fibula sustentaculum tali, tuberosity of fifth metatarsal, tuberosity of the navicular	
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TIME	MONDAY 30.03.20	TUESDAY 31.03.20	WEDNESDAY 01.04.20	THURSDAY 02.04.20	FRIDAY 03.04.20	SATURDAY 04.04.20
8-9AM	<p>Lec- Anterior compartment of thigh II (Femoral triangle & muscles)</p> <p>AN15.2 Describe and demonstrate major muscles with their attachment, nerve supply & action</p> <p>AN15.3 Describe and demonstrate boundaries, floor, roof and contents of femoral triangle</p> <p>AN15.4 Explain</p>	<p>Lec- Anterior compartment of thigh III (nerves & vessels)</p> <p>AN15.1 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh.</p> <p>AN15.5 Describe and demonstrate adductor canal with its content</p>	<p>PY8.4 Describe function test Thyroid gland, Adrenal gland, Adrenal medulla and pancreas (Horizontal Integration-biochemistry)</p>	<p>PY7.3.1 Describe Glomerular filtration rate (GFR), filtration barrier, Factors affecting GFR</p>	<p>Lec: Posterior compartment of thigh</p> <p>AN16.4 Describe and demonstrate the hamstring group of muscles with their attachment, nerve supply and actions</p>	<p>Formative assessment</p>

	anatomical basis of Psoas abscess & Femoral hernia					
9-10AM	<p>Demo- Special features of femur</p> <p>AN14.2 Identify & describe joints formed by the given bone</p> <p>AN14.3 Describe the importance of ossification of lower end of femur & upper end of tibia</p>	<p>Demo- Femoral triangle & contents</p> <p>AN15.3</p> <p>AN15.4</p>	<p>BI2.4 Describe & discuss the clinical utility of various serum enzymes as biochemical markers of common pathological conditions</p> <p>Hepato-biliary system</p> <p>c) Pancreatitis</p> <p>d) evaluate digestive process</p> <p>Student seminar</p>	<p>Lec- Gluteal region</p> <p>AN16.1 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of gluteal region</p> <p>AN16.2 Describe anatomical basis of sciatic nerve injury during gluteal intramuscular injections</p> <p>AN16.3 Explain the anatomical basis of Trendelenburg sign</p>	<p>PY8.5 Describe the metabolic & endocrine consequences of obesity & metabolic syndromes, stress response</p> <p>Outline the psychiatry component pertaining to metabolic syndrome</p>	<p>Demo- patella</p> <p>AN14.1</p> <p>AN14.2</p>
10-11AM	<p>Diss- Anterior compartment of thigh</p> <p>AN15.2</p> <p>AN15.3</p>	<p>Femoral triangle & contents</p> <p>AN15.3</p> <p>AN15.4</p>	<p>Lec- Medial compartment of thigh</p> <p>AN15.2</p>	<p>Diss- Medial compartment of thigh</p> <p>AN15.2</p>	<p>BI2.4 Describe & discuss the clinical utility of various serum enzymes as biochemical markers of common pathological conditions</p> <p>Bone disease- Chat with ortho dept</p>	<p>PY7.3.2 Describe autoregulation of GFR & renal blood flow (RBF)</p>
11-12PM	<p>Lec 16- Endocrine pancreas (cont...)</p> <p>PY8.2.14 Describe the synthesis, secretion, transport, physiological action, regulation and</p>	<p>PY7.2 Describe the structure & function of juxta glomerular apparatus & role of rennin-angiotensin system</p>	<p>Demo- Special features of hip bone</p> <p>AN14.2</p>	<p>Diss- Medial compartment of thigh</p> <p>AN15.2</p>	<p>Experimental Lab Batch A2 Stethography (revision)</p> <p>PY 6.9</p> <p>Haematology lab Batch</p>	<p>Experimental Lab Batch B2 Stethography (revision)</p> <p>PY 6.9</p>

	effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus)				A1 Examination of sensory system PY10.11	Haematology lab Batch B1 Examination of sensory system PY10.11
12-1PM	BI2.4 Describe & discuss the clinical utility of various serum enzymes as biochemical markers of common pathological conditions a) Myocardial infarction, Chat with clinician/ Cardiologist	AETCOM			Batch B2 BI11.16 Observe use of commonly used equipments/ techniques in bio-chemistry laboratories including ELISA, immune diffusion Batch B1- SGD Vaccine production, humoral immunity & HIV	Batch A2 BI11.16 Observe use of commonly used equipments/ techniques in bio-chemistry laboratories including ELISA, immune diffusion Batch A1- SGD Vaccine production, humoral immunity & HIV
1-2PM	LUNCH					
2-4PM	PSM3.2 Describe concepts of safe and wholesome water sanitary sources of water, water purification process, water quality standards, concepts of water conservation & rainwater harvesting	Experimental Lab Batch A1 Stethography (revision) PY 6.9 Haematology lab Batch A2 Examination of sensory system PY10.11 Batch B1	Experimental Lab Batch B1 Stethography (revision) PY 6.9 Haematology lab Batch A1 Examination of sensory system PY10.11 Batch B1	Small group discussion/ Tutorial/ Integrated Learning/Self directed learning Early clinical exposure	Diss-Gluteal region AN16.1 AN16.2	

		<p>BI11.16 Observe use of commonly used equipments/ techniques in bio-chemistry laboratories including: DNA isolation from blood/tissue.</p> <p>Batch B2 BI SGD DNA mutation & repair</p>	<p>BI11.16 Observe use of commonly used equipments/ techniques in bio-chemistry laboratories including: DNA isolation from blood/tissue.</p> <p>Batch B2 BI SGD DNA mutation & repair</p>			
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TIME	MONDAY 06.04.20	TUESDAY 07.04.20	WEDNESDAY 08.04.20	THURSDAY 09.04.20	FRIDAY 10.04.20	SATURDAY 11.04.20
8-9AM	HOLIDAY	<p>Lecture: Popliteal fossa</p> <p>AN16.6 Describe and demonstrate the boundaries, roof, floor, contents and relations of popliteal fossa</p>	<p>PY7.3.3 Describe the tubular reabsorption and secretion</p>	<p>PY4.1 Describe the structure and functions of digestive system (Horizontal integration with Anatomy)</p>	HOLIDAY	<p>Self direction learning</p> <p>BI2.3 Poison and drug in enzymes inhibition</p>
9-10AM		<p>Demo: General features of tibia & fibula</p> <p>AN14.1</p> <p>AN14.2</p>	<p>BI3.2 Describe the function of carbohydrate as energy fuel, structural element and storage in the human body</p> <p>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)</p>	<p>Lecture: Hip Joint</p> <p>AN17.1 Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursa around the hip joint</p> <p>AN17.2 Describe anatomical basis of complications of</p>		<p>Dissection/ Demo: Popliteal fossa</p> <p>AN16.6 Dissection: Posterior compartment of thigh</p> <p>AN16.4</p>

			Clinical case discussion	fracture neck of femur AN17.3 Describe dislocation of hip joint and surgical hip replacement		
10-11AM			Dissection/ Demo: Popliteal fossa AN16.6 Posterior triangle 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 (Horizontal Integration -Anatomy)
11-12PM		PY9.1.1: Describe and discuss sex determination ;sex differentiation and their abnormalities and outline psychiatry and practical implication of sex determination (Horizontal Integration-Anatomy)	Diss: Posterior compartment of thigh AN16.4			Experimental Lab Batch B2 Perimetry PY 10.20 Haematology lab Batch B1 Examination of Motor system PY 10.11
12-1PM		AETCOM				BI: Seminar/ Debate Vaccine
1-2PM	LUNCH					
2-4PM		Experimental Lab Batch A1 Perimetry	Haematology lab Batch B1 Examination of Motor system	Small group discussion/ Tutorial/ Integrated Learning/		

		<p>PY 10.20 Haematology lab Batch A2 Examination of Motor system</p> <p>PY 10.11</p>	<p>PY 10.11 Experimental Lab Batch B1 Perimetry</p> <p>PY 10.20 Haematology lab Batch B2</p> <p>Examination of Motor system</p> <p>PY 10.11</p>	<p>Self directed learning Early clinical exposure</p>		
		<p>Batch B1</p> <p>BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: ELISA Immunodiffusion</p> <p>Batch B2 SGD: Vaccine production, Humoral immunity and HIV</p>	<p>Batch A1</p> <p>BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: ELISA Immunodiffusion</p> <p>Batch A2 SGD: Vaccine production, Humoral immunity and HIV</p>			

TIME	MONDAY 13.04.2020	TUESDAY 14.04.2020	WEDNESDAY 15.04.2020	THURSDAY 16.04.2020	FRIDAY 17.04.2020	SATURDAY 18.04.2020
8-9AM	<p>Lec: Knee joint</p> <p>AN18.4 Describe and demonstrate the type, articular surfaces, capsule, synovial</p>	<p>Lec: Front of leg & dorsum of foot</p> <p>AN18.1 Describe and demonstrate major muscles of</p>	<p>PY9.2.1 Describe and discuss puberty: onset, progression, stages; early and delayed puberty and</p>	<p>PY7.3.5 Describe the renal regulation of potassium, calcium, phosphate and magnesium</p>	<p>Lec: Arches of foot</p> <p>AN19.5 Describe factors maintaining importance arches of the foot with its</p>	<p>Self-directed learning</p> <p>BI5.5 Inborn errors of metabolism</p>

	<p>membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursa around the knee joint</p> <p>AN18.5 Explain the anatomical basis of locking and unlocking of the knee joint</p> <p>AN18.6 Describe knee joint injuries with its applied anatomy</p> <p>AN18.7 Explain anatomical basis of Osteoarthritis</p>	<p>anterolateral compartment of leg with their attachment, nerve supply and actions</p> <p>AN18.2 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior compartment of leg</p> <p>AN18.3 Explain the anatomical basis of foot drop</p>	<p>outline adolescent clinical and psychological association</p>		<p>importance</p> <p>AN19.6 Explain the anatomical basis of Flat foot & Club foot</p>	
9-10AM	<p>Diss/Demo: Knee joint</p> <p>AN 18.4</p> <p>AN 18.5</p> <p>AN 18.6</p> <p>AN 18.7</p>	<p>Demo: Articulated foot I</p> <p>AN20.1 Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply of tibiofibular and ankle joint</p> <p>AN20.2 Describe the subtalar and transverse tarsal joints</p> <p>AN19.5 Describe factors maintaining importance arches of</p>	<p>BI3.9 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)</p>	<p>Lec: Sole of foot</p> <p>AN19.4 Explain the anatomical basis of rupture of calcaneal Tendon</p> <p>AN19.7 Explain the anatomical basis of Metatarsalgia & Plantar fasciitis</p> <p>AN20.7 Identify and demonstrate sustentaculum tali, tuberosity of fifth metatarsal, tuberosity of the Navicular</p>	<p>PY4.2.2 Describe the composition, mechanism of secretion, functions, and regulation of saliva, gastric, pancreatic, intestinal juices and bile secretion (Horizontal Integration-Biochemistry)</p>	<p>Dissection/ demo: Popliteal fossa</p> <p>AN16.6 Dissection: Posterior compartment of thigh</p> <p>AN16.4</p>

		<p>the foot with its importance</p> <p>AN19.6 Explain the anatomical basis of Flat foot & Club foot</p>		<p>AN20.2 Describe the subtalar and transverse tarsal joints</p> <p>AN19.4 Explain the anatomical basis of rupture of calcaneal tendon</p> <p>AN20.1 Describe and demonstrate the type, articular surfaces, and muscles involved, blood and nerve supply of tibiofibular and ankle joint capsule, synovial membrane, ligaments, relations, movements</p>		
10-11AM	<p>Diss/Demo: Knee joint</p> <p>AN 18.4</p> <p>AN 18.5</p> <p>AN 18.6</p> <p>AN 18.7</p>	<p>Diss: Front of leg & dorsum of foot</p> <p>AN18.1</p> <p>AN18.2</p> <p>AN18.3</p>	<p>Lec: Medial, lateral & posterior compartment of leg</p> <p>AN19.1 Describe and demonstrate the major muscles of back of leg with their attachment, nerve supply and actions</p> <p>AN19.2 Describe and demonstrate the origin, course, relations, branches/tributaries, termination of important nerves and vessels of back of leg</p> <p>AN19.3 Explain the concept of "Peripheral</p>	<p>Diss: Lateral & posterior compartment of leg</p> <p>AN19.1 Describe and demonstrate the major muscles of back of leg with their attachment, nerve supply and actions</p> <p>AN19.2 Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of leg</p> <p>AN19.3 Explain the</p>	<p>BI5.5 Interpret laboratory results if analytes associated with metabolism of amino acids & proteins In born errors of metabolism SGD (Vertical integration-medicine/paediatrics genetics)</p>	<p>PY7.3.6 Describe the reabsorption of glucose & proteins</p>

			heart” AN19.4 Explain the anatomical basis of rupture of calcaneal tendon AN20.2 Describe the subtalar and transverse tarsal joints	concept of “Peripheral heart” AN19.4 Explain the anatomical basis of rupture of calcaneal tendon		
11-12PM	PY4.2.1 Describe the composition, mechanism of secretion, functions & regulation of saliva, gastric, pancreatic, intestinal juices & bile secretion PY9.2.2 Describe & discuss puberty: onset, progression, stages; early & delayed puberty & outline adolescent clinical & psychological association	PY7.3.4 Describe the reabsorption of sodium, chloride, urea & water	Demo: Talus & calcaneum AN20.7 Identify & demonstrate sustentaculum tali, tuberosity of fifth metatarsal, tuberosity of the navicular Dissection: 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	Dissection: Lateral & 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 PY10.20 Haematology lab-Batch A1: Examination of motor system PY10.11	Experimental lab-Batch B2: Perimetry (Revision) PY10.20 Haematology lab-Batch B1: Examination of Sensory & motor system (Revision) PY10.11
12-1PM	BI3.9 Discuss & interpret laboratory results of analytes associated with metabolism of carbohydrates & disorder of carbohydrate metabolism (Vertical integration with Medicine/Endocrinology)	AETCOM	AN18.2 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior		Batch B2 BI11.16 Observe use of commonly used equipment/ techniques in biochemistry laboratory including electrolyte analysis by ISE ABG analyser BI11.17: SGD Electrolyte imbalance & compensatory mechanism of acid balance Batch B1	Batch A2 BI11.16 Observe use of commonly used equipment/ techniques in biochemistry laboratory including electrolyte analysis by ISE ABG analyser BI11.17: SGD Electrolyte imbalance & compensatory mechanism of acid

			compartment of leg AN18.3 Explain the anatomical basis of foot drop			balance Batch A1
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1-2PM	LUNCH					
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2-4PM	PSM3.3 Describe the etiology and basis of water borne diseases, jaundice, hepatitis, diarrheal disease	Experimental lab- Batch A1: Perimetry (Revision) PY10.20 Haematology lab- Batch A2: Examination of Sensory & motor system (Revision) PY10.11 Batch B1	Experimental lab- Batch B1: Perimetry (Revision) PY10.20 Haematology lab- Batch B2: Examination of Sensory & motor system (Revision) PY10.11 Batch A1	Small group discussion/ Tutorial/ Integrated learning/ Self directed learning/ Early clinical exposure	Demo: Arches of foot AN19.5 Describe factors maintaining important arches of the foot with its importance AN19.6 Explain the anatomical basis of flat foot & club foot Dissection: Sole of foot AN19.4 Explain the anatomical basis of rupture of calcaneal tendon AN19.5 AN19.6 AN19.7 Explain the anatomical basis of metatarsalgia & plantar fasciitis	
		BI 11.16 Observe use of commonly used equipment/ techniques in biochemistry laboratory including electrolyte analysis by ISE ABG analyser BI11.17: SGD Electrolyte imbalance & compensatory mechanism of acid balance Batch B2	BI 11.16 Observe use of commonly used equipment/ techniques in biochemistry laboratory including electrolyte analysis by ISE ABG analyser BI11.17: SGD Electrolyte imbalance & compensatory mechanism of acid balance Batch A2			

TIME	MONDAY 20.04.20	TUESDAY 21.04.20	WEDNESDAY 22.04.20	THURSDAY 23.04.20	FRIDAY 24.04.20	SATURDAY 25.04.20
8-9AM	Lec- Demo: Overview of nerves of lower limb AN18.2 Describe and	Lec- Demo: Overview of arteries, veins & lymphatic drainage of lower limb	PY7.3.8 Describe the counter-current mechanism: multiplier & exchanger	PY4.3.1 Describe GIT movement, regulation & functions. Describe defecation reflex.	Revision: soft parts (Lower limb)	Revision

	<p>demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior compartment of leg</p> <p>AN18.3 Explain the anatomical basis of foot drop</p> <p>AN19.2 Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of leg</p> <p>AN18.3 Explain the anatomical basis of foot</p>	<p>AN20.5 Explain anatomical basis of varicose veins and deep vein thrombosis</p> <p>AN20.8 Identify & demonstrate palpation of femoral, popliteal, post tibial, anti tibial & dorsalis pedis blood vessels in a simulated environment</p> <p>AN20.9 Identify & demonstrate Palpation of vessels (femoral, popliteal, dorsalis pedis, post tibial), Mid inguinal point, Surface projection of: femoral nerve, Saphenous opening, Sciatic, tibial, common peroneal & deep peroneal nerve, Great and small saphenous veins</p> <p>AN20.4 Explain anatomical basis of enlarged inguinal lymph nodes</p> <p>AN20.3 Describe and demonstrate Fascia lata, Venous drainage, Lymphatic drainage, Retinacula & Dermatomes of lower limb</p>		<p>Explain role of dietary fibres</p>		
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<p style="text-align: center;">9-10AM</p>	<p>Digital Displayer: Below Knee</p>	<p>Demo: Small joints of foot</p> <p>AN20.2 Describe the subtalar and transverse tarsal joints</p> <p>AN19.7 Explain the anatomical basis of Metatarsalgia & Plantar fasciitis</p> <p>AN18.7 Explain anatomical basis of Osteoarthritis</p>	<p>BI4.6 Interpret laboratory results associated with lipid metabolism Debate on role of cholesterol in health and disease</p>	<p>Demo: Surface Anatomy and Radiology</p> <p>AN20.6 Identify the bones and joints of lower limb seen in anteroposterior and lateral view radiographs of various regions of lower limb</p> <p>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</p>	<p>PY7.3.9 Describe Quantification of urine: concentration and dilution. Disorders of urinary concentrating ability</p>	<p>Revision: Hard parts (Lower Limb)</p>
<p style="text-align: center;">10-11AM</p>	<p>Diss: Sole of foot</p> <p>AN19.4 Explain the anatomical basis of rupture of calcaneal tendon</p>	<p>Revision: Soft parts (Lower Limb)</p>	<p>Lec: Radiology& Surface Anatomy</p> <p>AN20.6 Identify the bones and joints of lower limb seen in</p>	<p>Demo: Surface Anatomy and Radiology</p> <p>AN20.6 Identify the bones and joints of lower limb seen in</p>	<p>Biochemistry Revision</p>	<p>PY9.3.1 Describe male reproductive system: functions of testis and control of spermatogenesis & factors modifying it and outline its</p>

	<p>AN19.5 Describe factors maintaining importance arches of the foot with its importance</p> <p>AN19.6 Explain the anatomical basis of Flat foot & Club foot</p> <p>AN19.7 Explain the anatomical basis of Metatarsalgia & Plantar fasciitis</p>		<p>anteroposterior and lateral view radiographs of various regions of lower limb</p> <p>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</p>	<p>anteroposterior and lateral view radiographs of various regions of lower limb</p> <p>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</p>		<p>association with psychiatric illness</p>
11-12PM	<p>PY7.3.7 Describe the Regulation of tubular reabsorption</p>	<p>PY9.2.2 Describe and discuss puberty: onset, progression, stages; early and delayed puberty and outline adolescent clinical and psychological association</p>	<p>Revision: Joints of lower Limb</p>	<p>Revision: Soft parts (Lower Limb)</p>	<p>Experimental Lab-Batch A2- Revision</p> <p>Haematology lab Batch A1- Revision</p>	<p>Experimental Lab-Batch B2- Revision</p> <p>Haematology lab Batch B1- Revision</p>
12-1PM	<p>BI4.6 Interpret laboratory results associated with lipid metabolism (Vertical integration- Medicine/ cardiology)</p>	<p>AETCOM</p>			<p>BI11.17 Explain the basis & rationale of bio-chemical tests done in the following conditions- DM & GTT Batch B2</p>	<p>BI11.17 Explain the basis & rationale of bio-chemical tests done in the following conditions- DM & GTT Batch A2</p>

					SGD- Batch B1 Case discussion- integration of metabolism	SGD- Batch A1 Case discussion- integration of metabolism
1-2PM	LUNCH					
2-4PM	SPORTS	Experimental Lab- Batch A1- Revision	Experimental Lab- Batch B1- Revision	Small group discussion/ Tutorial/ Integrated learning/ Self directed learning/ Early clinical exposure	Revision: Hard parts (Lower Limb)	
		Haematology lab Batch A2- Revision Batch B1	Haematology lab Batch B2- Revision Batch A1			
		BI 11.17 Explain the basis & rationale of bio-chemical tests done in the following conditions- DM & GTT	BI 11.17 Explain the basis & rationale of bio-chemical tests done in the following conditions- DM & GTT			
		SGD- Batch B2 Case discussion- integration of metabolism	SGD- Batch A2 Case discussion- integration of metabolism			

TIME	MONDAY 27.04.20	TUESDAY 28.04.20	WEDNESDAY 29.04.20	THURSDAY 30.04.20	FRIDAY 1.05.20	SATURDAY 2.05.20
	Mid Term – II: 27th April-7th May 2020					

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	MID- TERMINAL-II EXAMINATION 27th April-7thMay 2020					
9-10AM						
10-11AM						
11-12PM						
12-1PM						
1-2PM	LUNCH					

2-4PM	MID- TERMINAL-II EXAMINATION 27th April-7thMay 2020	SUMMER VACATION
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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	SUMMER VACATION					
9-10AM						
10-11AM						
11-12PM						
12-1PM						
1-2PM						
2-4PM						

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- Introduction to abdomen, Insitu relations of abdominal viscera AN44.1 Describe & demonstrate the Planes (transpyloric, transtubercular, subcostal, lateral)	Lec- Histology (stomach) AN52.1 Describe & identify the microanatomical features of fundus & pylorus of stomach.	PY7.5.1 Describe the renal regulation of ECF volume	PY4.4.1 Describe the physiology of digestion & absorption of nutrients <i>(Horizontal integration-Biochemistry)</i>	Lec- Peritoneum AN47.1 Describe & identify boundaries and recesses of Lesser & Greater sac	HOLIDAY (EID-UL-FITR)

	vertical, linea alba, linea semilunaris), regions & Quadrants of abdomen (Vertical integration- General surgery)				
9-10AM	<p>Demo- Bony landmarks, Planes, abdominal quadrants</p> <p>AN44.1 Describe & demonstrate the Planes (transpyloric, transtubercular, subcostal, lateral vertical, linea alba, linea semilunaris), regions & Quadrants of abdomen</p>	<p>Lec- Anterior abdominal wall I</p> <p>AN44.2 Describe & identify the Fascia, nerves & blood vessels of anterior abdominal wall</p> <p>AN44.3 Describe the formation of rectus sheath and its contents</p> <p>AN44.6 Describe & demonstrate attachments of muscles of anterior abdominal wall</p>	SGD	<p>Lec- Inguinal Region & Testis.</p> <p>AN44.4 Describe & demonstrate extent, boundaries, contents of inguinal canal including Hasselbach's triangle</p> <p>AN46.1 Describe & demonstrate coverings, internal structure, side determination, blood supply, nerve supply, lymphatic drainage & descent of testis with its applied anatomy</p> <p>AN46.2 Describe parts of Epididymis</p> <p>AN46.3 Describe Penis under following headings: parts, components, blood supply and lymphatic drainage</p> <p>AN46.4 Explain the anatomical basis of Varicocele</p> <p>AN46.5 Explain the</p>	PY7.5.2 Describe the renal regulation of osmolality

				<p>anatomical basis of Phimosis & Circumcision.</p> <p>AN44.5 Explain the anatomical basis of inguinal Hernia (Vertical integration General Surgery)</p>	
10-11AM	Demo: Lumbar vertebrae	<p>Diss: Anterior Abdominal Wall.</p> <p>AN44.2</p> <p>AN44.3</p> <p>AN44.6</p>	<p>Lec: Anterior Abdominal Wall- II.</p> <p>AN44.2</p> <p>AN44.3</p> <p>AN44.6</p>	<p>SDL: Hip Bone, lumbar vertebrae and anterior abdominal wall</p>	<p>SGD</p> <p>BI8.6 Summarize the nutritional importance of commonly used items of food including fruits and vegetables (macro-molecules & its importance) (Vertical integration with PSM department)</p>
11-12PM	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 and factors modifying it and outline its association with psychiatric illness	<p>Prac: Histo (Batch A) /Diss: Anterior Abdominal Wall and Demo- Hip bone (Relevant to abdomen) (Batch B & C)</p> <p>AN44.2</p> <p>AN44.3</p> <p>AN44.6</p> <p>AN53.1</p> <p>Histo: AN52.13</p>	<p>Prac: Histo (Batch B) /Diss: Anterior Abdominal Wall (Batch A & C)</p> <p>Diss:</p> <p>AN44.2</p> <p>AN44.3</p> <p>AN44.6</p> <p>Histo: AN52.13</p>	<p>Experimental Lab Batch A2 CPCR (Revision)</p> <p>PY 11.14</p> <p>Haematology lab Batch A1 Reflexes (Revision)</p> <p>PY 10.11</p>
12-1PM	SGD	AETCOM			
1-2PM	LUNCH				
2-4PM	PSM3.4. Describe the concept of solid waste,	Experimental Lab Batch A1 CPCR	Experimental Lab Batch B1 CPCR	Small group discussion/ Tutorial/	Prac: Histo (Batch C), Diss: Anterior

human excreta and sewage disposal	PY 11.14 Haematology lab Batch A2 Reflexes	PY 11.14 Haematology lab Batch B2 Reflexes	Integrated Learning/ Self directed learning Early clinical exposure	Abdominal Wall and Demo- Hip bone (Relevant to abdomen) (Batch B & A) AN44.2 AN44.3 AN44.6 AN53.1 Histo: AN52.13
	PY 10.11 BI 11.20 Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states. Batch B1 BI 11.17 Batch B2 student seminar on jaundice	PY 10.11 BI 11.20 Identify abnormal constituents in urine interpret the findings and correlate these with pathological states. Batch A1 BI 11.17 Batch A2 student seminar on jaundice		

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: Stomach & coeliac axis AN47.5 AN47.6.1 Explain the anatomical basis of Different types of vagotomy & Lymphatic spread in carcinoma stomach (Vertical integration- General surgery)	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	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 clinical causes of acid base balance	Lec: Colon & appendix AN47.5 AN47.6.8 Explain the anatomical basis of Referred pain around umbilicus	

		<p>AN52.17 Describe & identify the microanatomical features of large intestine</p> <p>AN52.18 Describe & identify the microanatomical features of appendix</p>				
9-10AM	<p>Demo: Testis</p> <p>AN47.5 Describe & demonstrate major viscera of abdomen under following headings: Anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects</p>	<p>Diss: Stomach & coeliac axis</p> <p>AN47.5</p> <p>AN47.6.1</p>	<p>BI9.1 Describe the hormones synthesised from kidney, thyroid, pituitary and adrenal glands SGD with PBL/ case discussion</p>	<p>Lec- Small intestine II</p> <p>AN47.5</p>	<p>PY4.5.1 Describe the source of GIT hormones, their regulation & functions</p>	<p>Diss- Intestine</p> <p>AN47.5</p>
10-11AM	<p>Demo: Peritoneum</p> <p>AN47.1 Describe & identify boundaries and recesses of Lesser & Greater sac <i>(Vertical integration- General surgery)</i></p>	<p>Diss: Stomach & coeliac axis</p> <p>AN47.5</p> <p>AN47.6.1</p>	<p>Lec- Small intestine I (duodenum)</p> <p>AN47.5</p>	<p>Demo: Colon & appendix</p> <p>AN47.5</p> <p>AN47.6.7 Explain the anatomical basis of Referred pain around umbilicus</p>	<p>BI9.1 Describe the hormones synthesised from kidney, thyroid, pituitary and adrenal glands SGD with PBL/ case discussion</p>	
11-12PM	<p>PY4.4.2 Describe the physiology of digestion & absorption of nutrients <i>(Horizontal integration-</i></p>	<p>PY7.5.3 Describe the clinical causes of acid base balance</p>	<p>Batch A- Histology</p> <p>AN52.14-52.18</p> <p>Batch B & C- Diss-</p>	<p>Batch B- Histology</p> <p>AN52.14-52.18</p> <p>Batch A & C- Diss-</p>	<p>Experimental Lab Batch A2 Examination of cranial nerves (I & V)</p>	

	Biochemistry)		Intestine AN47.5	Intestine AN47.5	PY10.11, PY10.20 Haematology lab Batch A1 Examination of cranial nerves (II, III, IV & VI) PY 10.11 & PY10.20	
12-1PM	BI9.1 Describe the hormones synthesised from kidney, thyroid, pituitary and adrenal glands SGD with PBL/ case discussion	AETCOM			Batch B BI11.17 Seminar on thyroid disorder & calcium homeostasis	
1-2PM	LUNCH					
2-4PM	SPORTS	Experimental Lab Batch A1 Examination of cranial nerves (I & V) PY 10.11, PY10.20 Haematology lab Batch A2 Examination of cranial nerves (II, III, IV & VI) PY 10.11 & PY10.20 Batch B2 BI 11.20 Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states Batch B1	Experimental Lab Batch B1 Examination of cranial nerves (I & V) PY 10.11, PY10.20 Haematology lab Batch B2 Examination of cranial nerves (II, III, IV & VI) PY 10.11 & PY10.20 Batch A2 BI 11.20 Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states Batch A1	Small group discussion/ Tutorial/ Integrated learning/ Self directed learning/ Early clinical exposure	Batch C- Histology AN52.14-52.18 Batch A & B- Diss- Intestine AN47.5	

		BI11.17 Student seminar on jaundice	BI11.17 Student seminar on jaundice			
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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- 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 & renal transplantation (Vertical integration- General medicine)	PY4.5.2 Describe the source of GIT hormones, their regulation & functions	Lec- Blood supply of GIT AN47.9 Describe & identify the origin, course, important relations and branches of Abdominal aorta, Coeliac trunk, Superior mesenteric, 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 cholecystitis, Obstructive jaundice	BI9.7 SGD Describe the role of oxidative stress in the pathogenesis of conditions such as cancer, complications of DM & atherosclerosis (Vertical integration- Pathology)	Lec- Gall bladder, Pancreas & extra hepatic biliary apparatus AN47.5 AN47.6.5 AN47.7	PY7.8 Describe & discuss renal function test (Horizontal integration- Biochemistry)	SDL- Colon, liver, spleen, pancreas & extra hepatic biliary apparatus

10-11AM	SDL- Stomach, celiac axis & small intestine	Demo- Liver AN47.5 AN47.6.3	Demo- Liver AN47.5 AN47.6.3	Demo- Gall bladder, Pancreas & extra hepatic biliary apparatus AN47.5 AN47.6.5 AN47.7	Student seminar on immunology	PY9.6 Enumerate the contraceptive method of male & female. Discuss their advantages & Disadvantages
11-12PM	PY7.6 Describe the innervations of urinary bladder, physiology of micturation & its abnormalities	PY9.5 Describe & discuss the physiological effects of sex hormones	Batch A- Histology AN52.19 AN52.110 AN52.111 Batch B & C- Diss: Intestine liver & extra hepatic biliary apparatus	Batch B- Histology AN52.19 AN52.110 AN52.111 Batch A & C- Diss: Intestine liver & extra hepatic biliary apparatus	Experimental Lab Batch A2 Examination of cranial nerves (I & V) (revision) PY10.11, PY10.20 Haematology lab Batch A1 Examination of cranial nerves (II, III, IV & VI) (revision) PY 10.11 & PY10.20	Experimental Lab Batch B2 Examination of cranial nerves (I & V) PY10.11, PY10.20 Haematology lab Batch B1 Examination of cranial nerves (II, III, IV & VI) PY 10.11 & PY10.20
12-1PM	SGD BI9.4 Describe various biochemical tumor markers & the biochemical basis of cancer therapy (Vertical integration- Radiotherapy)	AETCOM	AN47.5 AN47.6.3 AN47.6.5 AN47.7 Mention the clinical importance of Calot's triangle	AN47.5 AN47.6.3 AN47.6.5	Batch B2 BI11.17 Estimation of uric acid Batch B1 BI11.17 PBL on gout & hyperuricemia	Batch A2 BI11.17 Estimation of uric acid Batch A1 BI11.17 PBL on gout & hyperuricemia
1-2PM	LUNCH					
2-4PM	PSM3.5 Describe the standards of housing & effects of housing on health.	Experimental Lab Batch A1 Examination of cranial nerves (I & V) (revision) PY 10.11, PY10.20	Experimental Lab Batch B1 Examination of cranial nerves (I & V) (revision)	Small group discussion/ Tutorial/ Integrated learning/ Self directed learning/ Early clinical exposure	Batch C- Histology AN52.19 AN52.110	

		Haematology lab Batch A2 Examination of cranial nerves (II, III, IV & VI) (revision) PY 10.11 & PY10.20	Haematology lab Batch B2 Examination of cranial nerves (II, III, IV & VI) (revision) PY 10.11 & PY10.20		AN52.111 Batch A & B- Diss: Intestine liver & extra hepatic biliary apparatus AN47.5 AN47.6.3 AN47.6.5	
		Batch B1 BI11.17 Estimation of uric acid Batch B2 BI11.17 PBL on gout & hyperuricemia	Batch A1 BI11.17 Estimation of uric acid Batch A2 BI11.17 PBL on gout & hyperuricemia			

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: Kidney & Ureter AN47.5 AN47.6.9 Explain the anatomical basis of radiating pain of Kidney to groin	Lec: Histology (Kidney, Ureter & Bladder) AN52.21 Describe and identify the microanatomical features of kidney AN52.22 Describe and identify the microanatomical features of Ureter AN52.23 Describe and identify the microanatomical features of Urinary bladder	PY9.7 Describe and discuss the effects of removal of gonads on physiological functions	PY4.7 Describe and discuss the structure and functions of liver and gall bladder. (Horizontal Integration – Biochemistry)	Lec: Posterior Abdominal Wall AN47.9 Describe & identify the origin, course, important relations and branches of Abdominal aorta, Coeliac trunk, Superior mesenteric, Inferior mesenteric & common iliac artery. AN45.1 Describe Thoracolumbar fascia AN45.2 Describe & demonstrate Lumbar plexus for its root	SGD BI8.2 Describe the types and causes of protein energy malnutrition and its effects. (Vertical Integration- Paediatrics and early clinical exposure)

					value, formation & branches AN45.3 Mention the major subgroups of back muscles, nerve supply and action AN47.12 Describe important nerve plexuses of posterior abdominal wall	
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 and Hindgut. (Vertical Integration- General Surgery)	SGD B18.2 Describe the types and causes of protein energy malnutrition and its effects. (Vertical Integration- Paediatrics) and early clinical exposure	Lec: Embryology GIT – III AN52.6	PY9.8 Describe and discuss the physiology of pregnancy, parturition & associated with it. lactation and outline the psychology and psychiatry-disorders	SDL: Kidney, Ureter, Posterior Abdominal wall. AN47.5 AN47.6
10-11AM	Demo: Kidney, ureter & Suprarenal gland AN47.5 AN47.6.9 Explain the anatomical basis of radiating pain of Kidney to groin	Demo: Lymphatic drainage and blood supply of Abdomen AN47.9	Lec: Embryology GIT – II AN52.6	Diss: Kidney, Ureter, Posterior Abdominal wall. AN47.5 AN47.6	SGD B18.2 Describe the types and causes of protein energy malnutrition and its effects. (Vertical Integration- Paediatrics) and early clinical exposure	PY4.8.1: Describe and Discuss gastric function tests, pancreatic exocrine function tests and Liver function test. (Horizontal Integration – Biochemistry)
11-12PM	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:	Prac: Histo (Batch B), Embryology (Batch C) Diss: Posterior Abdominal Wall (Batch A) Diss:	Experimental lab- Batch A2 Examination of Cranial nerves (VII&VIII) PY10.11 PY10.16	Experimental lab- Batch B2 Examination of Cranial nerves (VII&VIII) PY10.11

			AN45.1 AN45.2 AN45.3 AN47.9 AN47.12 Histo: AN52.21	AN45.1 AN45.2 AN45.3 AN47.9 AN47.12 Histo: AN52.21	PY10.20 Haematology lab: Batch A1 Examination of Cranial nerves (IX-XII) PY10.11 PY10.20	PY10.16 PY10.20 Haematology lab: Batch B1 Examination of Cranial nerves (IX-XII) PY10.11 PY10.20
12-1PM	BI8.2 SGD Describe the types and causes of protein energy malnutrition and its effects. (Vertical Integration-Paediatrics) and early clinical exposure	AETCOM	AN52.22 AN52.23 Embryo: AN52.6	AN52.22 AN52.23 Embryo: AN52.6	Batch B2 BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: renal failure proteinuria, - nephritic syndrome,- oedema Batch B1 PBL on renal disorders	Batch A2 BI11.21, BI11.22 Biochemistry revision: Glucose/Protein/ creatinine/ urea BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: renal failure proteinuria, - nephritic syndrome,- oedema Batch A1 PBL on renal disorders
1-2PM	LUNCH					
2-4PM	SPORTS	Experimental lab- Batch A1 Examination of Cranial nerves (VII&VIII) PY 10.11	Experimental lab- Batch B1 Examination of Cranial nerves (VII&VIII) PY 10.11	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:	

		PY 10.16 PY 10.20 Haematology lab: Batch A2 Examination of Cranial nerves (IX-XII)	PY 10.16 PY 10.20 Haematology lab: Batch B2 Examination of Cranial nerves (IX-XII)		AN45.1 AN45.2 AN45.3 AN47.9 AN47.12 Histo: AN52.21 AN52.22 AN52.23 Embryo: AN52.6	
		PY 10.11 PY 10.20 Batch B1 BI11.21, BI11.22 Biochemistry revision: Glucose/Protein/ creatinine/ urea BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: renal failure proteinuria, - nephritic syndrome,- oedema Batch B2 PBL on renal disorders	PY 10.11 PY 10.20 Batch A1 BI11.21, BI11.22 Biochemistry revision: Glucose/Protein/ creatinine/ urea BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: renal failure proteinuria, - nephritic syndrome,- oedema Batch A2 PBL on renal disorders			

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	Lecture: Surface anatomy & radiology of abdomen AN55.1 Demonstrate the surface marking of;	Lecture: Histology (Male reproductive system) AN52.24 Describe & identify the	PY9.9 Interpret a normal semen analysis report including a) Sperm count, b)Sperm morphology and c)Sperm motility as per	PY4.9.1 Discuss the physiological aspects of: Peptic ulcer, gastroesophageal reflux disease, vomiting, diarrhoea,	Lecture: Introduction of pelvis & pelvis peritoneum AN50.1 Describe the curvatures of the	BI6.3 SGD Discuss & interpret results of arterial- blood- gas analysis (ABG) in various disorders.

	<p>Regions and planes of abdomen, Superficial inguinal ring, Deep inguinal ring, Mc-Burney's point, Renal Angle & Murphy's point</p> <p>AN55.2 Demonstrate the surface projections of: Stomach, Liver, Fundus of gall bladder, Spleen, Duodenum, Pancreas, Ileocaecal junction, Kidneys & Root of mesentery</p> <p>AN54.1 Describe & identify features of plain X ray abdomen</p> <p>AN54.2 Describe & identify the special radiographs of abdominopelvic region (contrast X ray Barium swallow, Barium meal, Barium enema, Cholecystography, Intravenous pyelography & Hysterosalpingography)</p> <p>AN54.3 Describe role of ERCP, CT abdomen, MRI, Arteriography in radiodiagnosis of abdomen</p>	<p>microanatomical features of testis</p> <p>AN52.25 Describe & identify the microanatomical features of epididymis</p> <p>AN52.26 Describe & identify the microanatomical features of vas deferens</p> <p>AN52.27 Describe & identify the microanatomical features of prostate</p>	<p>WHO guidelines and discuss the results</p>	<p>constipation, adynamic ileus, Hirschsprung disease</p> <p>PY4.10 Demonstrate the correct clinical examination of abdomen in a normal volunteer in a stimulated environment (Horizontal integration with biochemistry)</p>	<p>vertebral column</p> <p>AN50.3 Describe lumbar puncture (site, direction of the needle, structures pierced during the lumbar puncture)</p> <p>AN50.4 Explain the anatomical basis of Scoliosis, Lordosis, Prolapsed disc, Spondylolisthesis & Spina bifida</p> <p>AN53.3 Define true pelvis and false pelvis and demonstrate sex determination in male & female bony pelvis</p> <p>AN53.4 Explain and demonstrate clinical importance of bones of abdominopelvic region (sacralization of lumbar vertebra, Lumbarization of 1st sacral vertebra, types of bony pelvis & Coccyx) (Vertical integration with General Medicine, Orthopedics)</p>	<p>Early clinical exposure with lab visit (Vertical integration with Medicine/ Anaesthesia/ ICU)</p>
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	AN25.8 Identify and describe in brief a barium swallow (Vertical integration with General Surgery)					
9-10AM	Demo: Surface anatomy and radiology of abdomen AN55.1 AN55.2 AN54.1 AN54.2 AN54.3	Practical: Batch A- Histology AN52.24 AN52.25 AN52.26 AN52.27 Batch B & C: Dissection Sectional anatomy of abdomen	SGD BI6.3 Discuss & interpret results of arterial- blood- gas analysis (ABG) in various disorders. Early clinical exposure with lab visit (Vertical integration with Medicine/ Anaesthesia/ ICU)	ABDOMEN STAGE	PY9.10 Discuss the physiological basis of various pregnancy tests.	Lec: Pelvic walls and Pelvic diaphragm AN53.3 AN53.4
10-11AM	AN25.8 (Vertical integration with Radiodiagnosis)		Lecture: Surgical anatomy of abdomen AN44.7 Enumerate common abdominal incisions		SGD BI6.3 Discuss & interpret results of arterial- blood- gas analysis (ABG) in various disorders. Early clinical exposure with lab visit (Vertical integration with Medicine/ Anaesthesia/ ICU)	PY4.9.2 Discuss the physiological aspects of: Peptic ulcer, gastroesophageal reflux disease, vomiting, diarrhoea, constipation, adynamic ileus, Hirschsprung disease
11-12PM	PY9.8.2 Describe & discuss the physiology of pregnancy, parturition & lactation & outline the psychology & psychiatry- disorders associated with it	PY4.8.2 Describe & discuss gastric function tests, pancreatic exocrine function tests & liver function tests	Practical: Batch B- Histology Batch A & C: Dissection Sectional anatomy of abdomen AN51.1 Describe & identify the cross-		Experimental lab- Batch A2 Reaction time (Auditory & Visual) PY10.11 Haematology lab Batch A1 Examination of abdomen	Experimental lab- Batch B2 Reaction time (Auditory & Visual) PY10.11 Haematology lab Batch B1 Examination of

			section at the level of T8, T10 & T11		PY4.10	abdomen PY4.10
12-1PM	SGD BI6.3 Discuss & interpret results of arterial- blood- gas analysis (ABG) in various disorders. Early clinical exposure with lab visit <i>(Vertical integration with Medicine/ Anaesthesia/ ICU)</i>	AETCOM	AN51.2 Describe & identify the mid-sagittal section of male & female pelvis <i>(Vertical integration with Radiodiagnosis)</i>		Batch B BI11.16 Describe the principles of colorimetry/ spectrophotometer VISIT TO THE CENTRAL BIOCHEMISTRY LABOURATORY IN LN HOSPITAL to discuss total quality management (TQM), preanalytical error and automation	Batch A BI11.16 Describe the principles of colorimetry/ spectrophotometer VISIT TO THE CENTRAL BIOCHEMISTRY LABOURATORY IN LN HOSPITAL to discuss total quality management (TQM), preanalytical error and automation
1-2PM	LUNCH					
2-4PM	PSM3.6 Describe the role of vectors in the causation of diseases PSM3.7 Identify & describe the identifying features & life cycles of vectors of public health importance & their control measures PSM3.8 Describe the mode of action, application of commonly used insecticides & rodenticides	Experimental lab- Batch A1 Reaction time (Auditory & Visual) PY10.11 Haematology lab Batch A2 Examination of abdomen PY4.10 SGD BATCH B BI11.17 Explain the basis & rationale of biochemical test done in the following condition-	Experimental lab- Batch B1 Reaction time (Auditory & Visual) PY10.11 Haematology lab Batch B2 Examination of abdomen PY4.10 SGD BATCH A BI11.17 Explain the basis & rationale of biochemical test done in the following condition-	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 positions of bony pelvis & show boundaries of pelvic inlet, pelvic cavity, pelvic outlet	

		dyslipidemia, myocardial infarction.	dyslipidemia, myocardial infarction.		AN53.3 AN53.4 (Vertical integration with Obstetrics & Gynaecology, General Surgery)	
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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
8-9AM	<p>Lec: Introduction to perineum & perineum I</p> <p>AN48.1 Describe & identify the muscles of Pelvic diaphragm</p> <p>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</p> <p>AN49.1 Describe & demonstrate the superficial & deep perineal pouch (boundaries and contents)</p> <p>AN49.2 Describe & identify Perineal body (Vertical integration-</p>	<p>Lec: Histology- Female reproductive system I</p> <p>AN52.28 Describe & identify the microanatomical features of ovary</p> <p>AN52.29 Describe & identify the microanatomical features of fallopian tube</p>	<p>Discussion & summary of general physiology</p>	<p>Discussion and summary of Blood I</p>	<p>Lec: Embryology- Urinary system</p> <p>AN52.7 Describe the development of urinary system. (Vertical integration- General surgery)</p>	<p>SGD</p> <p>BI9.2 Describe the test that are commonly done in clinical practice to assess the functions of kidney (Vertical integration- Medicine ECE with visits to dialysis unit)</p>

	Obstetrics & gynaecology)					
9-10AM	<p>Demo: Bony pelvis & pelvic diaphragm</p> <p>AN48.1</p> <p>AN50.1 Describe the curvatures of the vertebral column</p> <p>AN53.1 Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups</p> <p>AN53.2</p> <p>AN53.3</p> <p>AN53.4</p>	<p>Demo: Pelvic peritoneum & disposition of viscera & walls of pelvis</p> <p>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</p> <p>AN48.4 Explain and demonstrate clinical importance of bones of abdominopelvic region (sacralization of lumbar vertebra, Lumbarization of 1st sacral vertebra, types of bony pelvis & Coccyx)</p>	<p>SGD</p> <p>BI9.2 Describe the test that are commonly done in clinical practice to assess the functions of kidney (Vertical integration- Medicine ECE with visits to dialysis unit)</p>	<p>Lec: Urinary bladder</p> <p>AN48.2</p> <p>AN48.5.1 Explain the anatomical basis of suprapubic cystostomy, Urinary obstruction in benign prostatic hypertrophy,</p> <p>AN48.6 Describe the neurological basis of Automatic bladder</p>	<p>Discussion and summary of Blood II</p>	<p>Lec: Embryology-Urinary system</p> <p>AN52.7 Describe the development of urinary system. (Vertical integration- General surgery)</p>
10-11AM	<p>Demo: Bony pelvis & pelvic diaphragm</p> <p>AN48.1</p> <p>AN50.1 Describe the curvatures of the vertebral column</p> <p>AN53.1 Identify & hold the bone in the</p>	<p>Demo: Pelvic peritoneum & disposition of viscera & walls of pelvis</p> <p>AN48.2 Describe & demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve</p>	<p>Lec: Perineum II- Ischiorectal fossa</p> <p>AN49.3 Describe & demonstrate Perineal membrane in male & female</p> <p>AN49.4 Describe & demonstrate boundaries, content &</p>	<p>Demo: Urinary bladder</p> <p>AN48.2</p>	<p>SGD</p> <p>BI9.2 Describe the test that are commonly done in clinical practice to assess the functions of kidney (Vertical integration- Medicine ECE with visits to dialysis unit)</p>	<p>Discussion and summary of nerve muscle physiology</p>

	<p>anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups</p> <p>AN53.2</p> <p>AN53.3</p> <p>AN53.4</p>	<p>supply, lymphatic drainage and clinical aspects of) important male & female pelvic viscera</p> <p>AN48.4 Explain and demonstrate clinical importance of bones of abdominopelvic region (sacralization of lumbar vertebra, Lumbarization of 1st sacral vertebra, types of bony pelvis & Coccyx)</p>	<p>applied anatomy of ischiorectal fossa (Vertical integration- General surgery)</p>			
11-12PM	<p>PY9.11 Discuss the hormonal changes & their effects during perimenopause & menopause</p>	<p>PY9.12 Discuss the common causes of infertility in a couple & role of IVF in managing a case of infertility</p>	<p>Batch A: Histo</p> <p>Batch B & C: Dissection- Ischiorectal fossa & perineum</p> <p>AN49.1 Describe & demonstrate the superficial & deep perineal pouch (boundaries and contents)</p> <p>AN49.2</p> <p>AN49.3</p>	<p>Batch B: Histo</p> <p>Batch A & C: Dissection- Ischiorectal fossa & perineum</p> <p>AN49.1 Describe & demonstrate the superficial & deep perineal pouch (boundaries and contents)</p> <p>AN49.2</p> <p>AN49.3</p>	<p>Experimental lab- Batch A2 Demonstrate the Harvard step test & describe the impact on induced physiological parameters in a simulated environment</p> <p>PY3.16 Haematology lab Batch A1 Pregnancy diagnostic test</p> <p>PY9.10</p>	<p>Experimental lab- Batch B2 Demonstrate the Harvard step test & describe the impact on induced physiological parameters in a simulated environment</p> <p>PY3.16 Haematology lab Batch B1 Pregnancy diagnostic test</p> <p>PY9.10</p>
12-1PM	<p>SGD</p> <p>BI9.2 Describe the test that are commonly done in clinical practice to assess the functions</p>	<p>AETCOM</p>			<p>Small group discussion/ tutorial/integrated learning/self directed learning/early clinical exposure</p>	<p>Small group discussion/ tutorial/integrated learning/self directed learning/early clinical exposure</p>

	of kidney (Vertical integration- Medicine ECE with visits to dialysis unit)					
1-2PM	LUNCH					
2-4PM	SPORTS	Experimental lab- Batch A1 Demonstrate the Harvard step test & describe the impact on induced physiological parameters in a simulated environment PY3.16 Haematology lab Batch A2 Pregnancy diagnostic test PY9.10 Batch B	Experimental lab- Batch B1 Demonstrate the Harvard step test & describe the impact on induced physiological parameters in a simulated environment PY3.16 Haematology lab Batch B2 Pregnancy diagnostic test PY9.10 Batch A	Small group discussion/ tutorial/integrated learning/self directed learning/early clinical exposure	Batch C: Histo Batch A & B: Dissection- Ischiorectal fossa & perineum AN49.1 Describe & demonstrate the superficial & deep perineal pouch (boundaries and contents) AN49.2 AN49.3	
		BI11.16 Describe the principles of colorimetry/ spectrophotometer Visit to the central biochemistry laboratory in LN hospital to discuss total quality management (TQM), preanalytical error & automation	BI11.16 Describe the principles of colorimetry/ spectrophotometer Visit to the central biochemistry laboratory in LN hospital to discuss total quality management (TQM), preanalytical error & automation			

TIME	MONDAY 29.06.20	TUESDAY 30.06.20	WEDNESDAY 01.07.20	THURSDAY 02.07.20	FRIDAY 03.07.20	SATURDAY 04.07.20
8-9AM	Lec: Male Reproductive System	Lec: Histology- Female reproductive system II	Discussion and summary of neurophysiology I	Discussion and summary of neurophysiology II	Lec: Female Reproductive System I	Biochemistry Revision

	<p>AN48.2</p> <p>AN48.5.1</p> <p>AN.48.7:Mention the lobes involved on benign prostatic hypertrophy and prostatic cancer</p>	<p>AN52.210 Describe & identify the microanatomical features of uterus</p> <p>AN52.211 Describe & identify the microanatomical features of placenta</p> <p>AN52.212 Describe & identify the microanatomical features of umbilical cord</p> <p>AN52.213 Describe & identify the microanatomical features of mammary gland</p>			<p>AN48.2</p> <p>AN48.5</p>	
9-10AM	<p>Demo : Male pelvic viscera</p> <p>AN50.1</p> <p>AN53.4</p>	<p>Diss: perineum</p> <p>AN49.1</p> <p>AN49.2</p>	Biochemistry Revision	Digital displayer nerves, vessels, viscera	Discussion and summary of neurophysiology III	<p>Demo: joints of pelvis</p> <p>AN50.2 Describe & demonstrate the type, articular ends, ligaments and movements of Intervertebral joints, Sacroiliac joints & Pubic symphysis</p>
10-11AM	<p>Demo : sacrum</p> <p>AN50.1</p> <p>AN53.4</p>	<p>Diss: perineum</p> <p>AN49.1</p> <p>AN49.2</p>	<p>Lec: embryology- Male reproductive system</p> <p>AN52.8.1 Describe the development of male reproductive system (Vertical integration- Obstetrics & gynaecology)</p>	<p>Lec: embryology- Gonads & female ductal system</p> <p>AN52.8.2</p>	Biochemistry Revision	Discussion and summary of neurophysiology IV

11-12PM	Discussion and summary of respiratory physiology	Discussion and summary of cardio vascular physiology	Batch A: Histo AN52.2.10 AN52.2.11 AN52.2.12 AN52.2.13 Batch B: Embryo Batch C: Dissection/SDL- Perineum AN49.1 AN49.2	Batch B: Histo AN52.2.10 AN52.2.11 AN52.2.12 AN52.2.13 Batch C: Embryo Batch A: Dissection/SDL- Perineum 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			Practical Revision Batch B	Practical Revision Batch A
1-2PM	LUNCH					
2-4PM	PSM4.1 Describe various methods of Health education with Their advantages & limitations PSM4.2 Describe the method of organizing Health promotion and education and counselling 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 Batch A2 Observe cardio	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	Small group discussion/ tutorial/integrated learning/self directed learning/early clinical exposure	Batch C: Histo AN52.2.10 AN52.2.11 AN52.2.12 AN52.2.13 Batch A: Embryo	

		vascular autonomic function tests in a volunteer or simulated environment PY 5.14	vascular autonomic function tests in a volunteer or simulated environment PY 5.14		Batch B: Dissection/SDL- Perineum AN49.1 AN49.2	
		Practical Revision Batch B	Practical Revision Batch A			

TIME	MONDAY 06.07.20	TUESDAY 07.07.20	WEDNESDAY 08.07.20	THURSDAY 09.07.20	FRIDAY 10.07.20	SATURDAY 11.07.20
8-9AM	Lec: Female Reproductive System I AN48.2 AN48.5 AN48.8 Mention the structures palpable during vaginal & rectal examination (Vertical integration- General surgery & Obstetrics & gynaecology)	Lec: Rectum & anal canal AN48.2 AN48.5 AN49.5 Explain the anatomical basis of Perineal tear, Episiotomy, Perianal abscess and Anal fissure (Vertical integration- Obstetrics & gynaecology)	Discussion and summary of endocrine physiology I	Discussion and summary of endocrine physiology II	Revision	Biochemistry Revision
9-10AM	Demo- Male & female pelvic viscera AN48.2	Batch A: Embryo Batch B & C: surface anatomy & radiology (abdomen & pelvis) AN54.2 Describe & identify the special radiographs of abdominopelvic region (contrast X ray Barium)	Biochemistry Revision	Lec: Nerves & vessels AN48.3 Describe & demonstrate the origin, course, important relations and branches of internal iliac artery AN48.4	Discussion and summary of reproductive physiology V	Revision

		swallow, Barium meal, Barium enema, Cholecystography, Intravenous pyelography & Hysterosalpingography)				
10-11AM	Demo- Male & female pelvic viscera AN48.2	Batch A: Embryo Batch B & C: surface anatomy & 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)	Lec: Radiology- Abdomen & pelvis AN54.2	Demo: Nerves & vessels AN48.3	Biochemistry Revision	Discussion and summary of gastro intestinal physiology
11-12PM	Discussion and summary of neuro physiology V	Discussion and summary of renal physiology	Batch B: Embryo Batch A & C: surface anatomy & 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)	Batch C: Embryo Batch A & B: surface anatomy & 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)	Experimental lab- Batch A2 Revision PY5.16	Experimental lab- Batch B2 Revision PY5.16
12-1PM	Biochemistry Revision	AETCOM			Haematology lab Batch A1 Revision	Haematology lab Batch B1 Revision

1-2PM	LUNCH					
2-4PM	SPORTS	Experimental lab- Batch A1 Revision	Experimental lab- Batch B1 Revision	Small group discussion/ tutorial/integrated learning/self directed learning/early clinical exposure	Revision	
		PY5.16	PY5.16			
		Haematology lab Batch A2 Revision	Haematology lab Batch B2 Revision			
		Biochemistry Revision	Biochemistry Revision			

TIME	MONDAY 13.07.20	TUESDAY 14.07.20	WEDNESDAY 15.07.20	THURSDAY 16.07.20	FRIDAY 17.07.20	SATURDAY 18.07.20
	Integrated revision teaching for anatomy, physiology and biochemistry: 13th to 18th July 2020					

TIME	MONDAY 20.07.20	TUESDAY 21.07.20	WEDNESDAY 22.07.20	THURSDAY 23.07.20	FRIDAY 24.07.20	SATURDAY 25.07.20
	Sent-up Examination: 20th July to 6th August 2020					

TIME	MONDAY 27.07.20	TUESDAY 28.07.20	WEDNESDAY 29.07.20	THURSDAY 30.07.20	FRIDAY 31.07.20	SATURDAY 1.08.20
	Sent-up Examination: 20th July to 6th August 2020					

TIME	MONDAY 3.08.20	TUESDAY 4.08.20	WEDNESDAY 5.08.20	THURSDAY 6.08.20	FRIDAY 7.08.20	SATURDAY 8.08.20
	Sent-up Examination: 20th July to 6th August 2020				Revision Classes: 7th August to 24th August	

Revision Classes: 7th August to 24th August 2020