

**GMERS Medical College,Civil Hospital Campus, Gandhinagar, Gujarat 382016**  
**Proposed Time Table for Admission 2019-20 Batch (First MBBS)**

Date/Day	09 AM to 10 AM		10 AM to 11 AM		11 AM to 12 PM		12 PM to 1 PM		2 PM to 5 PM Anatomy/ Physiology/Biochemistry:			2 PM to 5 PM Anatomy/ Physiology/Biochemistry:			2 PM to 5 PM Anatomy/ Physiology/Biochemistry:					
	Topic	Competency	Topic	Competency	Topic	Competency	Topic	Competency	Batch	Topic of Practical	Competency	Batch	Topic of Practical	Competency	Batch	Topic of Practical	Competency			
03-09-2019 Tuesday	AN 1.1 Introduction and Terminology of general anatomy Interactive lecture		AN 1.2, 2.1 Bone-1 Interactive lecture		AN 2.2 to 2.4 Bone-2 Interactive lecture (VI-OR)		AN 2.1 Bones - Identification & parts (Practical + SG)		AN 2.1 Bones - Location on Articulated Skeleton (Practical + SG)	AN 2.2 to 2.4 Bones & cartilage - Classification (SG + DOAP session) (VI-OR)	AN 2.2 to 2.4 Bones & cartilage - Classification (SG + DOAP session) (VI-OR)									
04/09/2019 Wednesday	Introduction to Department	All Teachers	Introduction to cell & General Physiology 1	PY 1.1 Describe the structure and functions of a mammalian cell, PY 1.8 Describe and discuss the molecular basis of resting membrane potential and action potential in excitable tissue	Introduction to cell & General Physiology 2	PY 1.1 Describe the structure and functions of a mammalian cell			B	Introduction to laboratory	PY 2.1 Describe the composition and functions of blood components	A	Introduction to laboratory	PY 3.18 Observe with Computer assisted learning (i) amphibian nerve-muscle experiments (ii) amphibian cardiac experiments	C		Introduction to instrument and laboratory, BI 11.1 Describe commonly used laboratory apparatus and equipments, good safe laboratory practice and waste disposal.			
05-09-2019 Thursday	AN 2.5 Joint-1 Interactive lecture (VI-OR)		AN 2.5, 2.6 Joint-2 Interactive lecture (VI-OR)		AN 3.1 to 3.3 Muscle Interactive lecture (HI-PY)		AN 2.5 Joints- Location & types on Articulated Skeleton (Practical + SG) (VI-OR)		AN 3.1 to 3.3, 7.5 to 7.7 Muscle - types, nomenclature, parts, innervation (Practical + SG) (HI-PY) (VI-MI)	AN 2.6 Joints- Nerve supply & movements on Articulated Skeleton + Living (SG + DOAP session) (VI-OR)	AN 2.6 Joints- Nerve supply & movements on Articulated Skeleton + Living (SG + DOAP session) (VI-OR)									
06/09/2019 Friday	Biochemical Basis of evolution of life & Introduction of Medicine and Biochemistry.	BI1.1 Describe the molecular and functional organization of a cell and its subcellular components. (III-PY)	Structure and Function of Cell Membrane 1	PY 1.1 Describe the structure and functions of a mammalian cell, PY 1.8 Describe and discuss the molecular basis of resting membrane potential and action potential in excitable tissue	Structure and Function of Cell Membrane 2 & intercellular communication	PY 1.3 Describe intercellular communication	Homeostasis & Body Fluids		PY 1.2, PY 1.6 Describe and discuss the principles of homeostasis, Describe the fluid compartments of the body, its ionic composition & measurements			C	Introduction to laboratory	PY 2.1 Describe the composition and functions of blood components	B	Introduction to laboratory	PY 3.18 Observe with Computer assisted learning (i) amphibian nerve-muscle experiments (ii) amphibian cardiac experiments	A	Introduction to instrument and laboratory, BI 11.1 Describe commonly used laboratory apparatus and equipments, good safe laboratory practice and waste disposal.	
07-09-2019 Saturday	AN 7.1 to 7.4 Nervous System-1 Interactive lecture (HI-PY)		AN 7.5 to 7.8 Nervous System-2 Interactive lecture (HI-PY) (VI-MI)		AN 5.1 to 5.8 Cardiovascular system Interactive lecture (HI-PY) (VI-MI) (VI-BA)		AN 7.1 to 7.3 Parts of nervous system, Cells of nervous system (Practical + SG) (HI-PY)													
09/09/2019 Monday	Homeostasis & Body Fluids (III - Biochemistry)	PY 1.2 Describe and discuss the principles of homeostasis, PY 1.6 Describe the fluid compartments of the body, its ionic composition- HI (Biochemistry) & measurements	Passive transport 1	PY 1.5 Describe and discuss transport mechanisms across cell membranes	Cell & Cell Organelle (HI-PY)	BI1.1 Describe the molecular and functional organization of a cell and its subcellular components. (III-PY)	Cell Membrane (III-PY)		BI1.1 Describe the molecular and functional organization of a cell and its subcellular components. (III-PY)			A	Introduction to laboratory	PY 2.1 Describe the composition and functions of blood components	C	Introduction to laboratory	PY 3.18 Observe with Computer assisted learning (i) amphibian nerve-muscle experiments (ii) amphibian cardiac experiments	B	Introduction to instrument and laboratory, BI 11.1 Describe commonly used laboratory apparatus and equipments, good safe laboratory practice and waste disposal.	
10-09-2019 Tuesday	AN 4.1 to 4.5 Skin and Fascia Interactive lecture (VI-DV)		AN 6.1 to 6.3, 6.6, 1 Lymphatics System & Connective tissue Interactive lecture (VI-SU)		AN 7.1, 7.4, 7.5, 7.8 Nerve fibres and their types, plexus & ANS (SG) (HI-PY) (VI-MI)		AN 7.4 Identification of nerves, plexus formation, neurovascular bundles, identification of vessels, heart and its chambers (SG + DOAP session)		AN 4.1, 4.2, 4.5 Skin - types, structure, function, appendages, dermatome, Various incisions (SG) (VI-DV)	AN 4.3, 4.4 Fascia & connective tissue, distribution and function (SG) (VI-DV)	AN 4.3, 4.4 Fascia & connective tissue, distribution and function (SG) (VI-DV)									
11/09/2019 Wednesday	Moharam																			
12-09-2019 Thursday	General Anatomy exam				AN 13.8 Introduction and development of Inner limb		AETCOM module 1.5 Cadaver as a teacher / Oath taking													
13/09/2019 Friday	Transport across cell membrane (HI- Physiology)	BI1.1 Describe the molecular and functional organization of a cell and its subcellular components.	Passive transport 2	PY 1.5 Describe and discuss transport mechanisms across cell membranes	Active Transport	PY 1.5 Describe and discuss transport mechanisms across cell membranes	Active Transport		PY 1.5 Describe and discuss transport mechanisms across cell membranes			B	Study of appliances - hematology instruments	PY 2.1 Describe the composition and functions of blood components	A	Study of appliances - Amphibian instruments	PY 3.18 Observe with Computer assisted learning (i) amphibian nerve-muscle experiments (ii) amphibian cardiac experiments	C	Plasma Protein (SG) & Laboratory Calculation, Preparation of Blood Buffer & Estimation of pH	BI5.2 Describe and discuss functions of proteins and structure-function relationships in relevant areas eg. hemoglobin and selected hemoglobinopathies(III Physiology) & BI11.2 Describe the preparation of buffers and estimation of pH.

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	Tonic	Competency	Tonic	Competency	Tonic	Competency	Tonic	Competency	Batch	Tonic of Practical	Competency	Batch	Tonic of Practical	Competency	Batch	Tonic of Practical	Competency
14-09-2019 Saturday	AN 11.1, 11.2 Cutaneous nerves, superficial veins and lymphatic drainage of UL Interactive lecture		AN 9.1, 10.11 Pectoral region - 1 Interactive lecture		AN 8.1 to 8.4 Tutorial - clavicle (VI-OR)		Dissection - pectoral region - 1										
16/09/2019 Monday	Introduction to Nerve Physiology	PY 3.1 Describe the structure and functions of a neuron and neuroglia; Discuss Nerve Growth Factor & other growth factors/cytokines	Introduction to blood	PY 2.1 Describe the composition and functions of blood components	Carbohydrate - Classification, Monosaccharides General physical & Chemical Properties		Carbohydrate - Classification, Disaccharides General physical & Chemical Properties		C	Study of appliances - hematology instruments	PY 2.1 Describe the composition and functions of blood components	B	Study of appliances - Amphibian instruments	PY 3.18 Observe with Computer assisted learning (i) amphibian nerve - muscle experiments (ii) amphibian cardiac experiments	A	Plasma Protein (SGD) & Laboratory Calculation, Preparation of Blood Buffer & Estimation of pH	BIS.2 Describe and discuss functions of proteins and structure-function relationships in relevant areas eg. hemoglobin and selected hemoglobiopathies(III Physiology) & B11.2 Describe the preparation of buffers and estimation of pH.
17-09-2019 Tuesday	AN 9.2, 9.3 Pectoral region - 2 Interactive lecture (VI-SII)		AN 65.1, 65.2 Histology - Microscope, cell & epithelium - 1		Histology practical Batch - A / region		Dissection - Pectoral		AN 8.1, 8.2, 8.4 Tutorial - scapula (SG + DOAP session) (VI-OR)		Histology practical Batch - B / Pectoral region		Dissection -				
18/09/2019 Wednesday	Functional Anatomy of nerve & Types of nerve fibers (Neurons, Neuroglia & peripheral Nerve)	PY 3.2 Describe the types, functions & properties of nerve fibers	Functional Anatomy of nerve fibers (Neurons, Neuroglia & peripheral Nerve)	PY 3.2 Describe the types, functions & properties of nerve fibers	Plasma Proteins & its Function (III - Biochemistry)		PSM		A	Study of appliances - hematology instruments	PY 2.1 Describe the composition and functions of blood components	C	Study of appliances - Amphibian instruments	PY 3.18 Observe with Computer assisted learning (i) amphibian nerve - muscle experiments (ii) amphibian cardiac experiments	B	Plasma Protein (SGD) & Laboratory Calculation, Preparation of Blood Buffer & Estimation of pH	BIS.2 Describe and discuss functions of proteins and structure-function relationships in relevant areas eg. hemoglobin and selected hemoglobiopathies(III Physiology) & B11.2 Describe the preparation of buffers and estimation of pH.
19-09-2019 Thursday	AN 10.1, 10.2, 10.4, 10.7 Axilla - 1 Interactive lecture (VI-SII)		AN 76.1, 76.2 Embryology : Introduction		Histology practical Batch - C /		Dissection - Axilla		AN 8.1, 8.2, 8.4 Tutorial - Humerus (SG + DOAP session) (VI-OR)		Histology practical Batch - D / Axilla		Dissection -				
20/09/2019 Friday	Amino acids- Classification, General physical & Chemical Properties	BIS.1 Describe and discuss structural organization of proteins.	Biological Activity of Nerve Fiber (III - Human anatomy)	PY 3.1 Describe the structure and functions of a neuron and neuroglia; Discuss Nerve Growth Factor & other growth factors/cytokines	RBC (Morphology, Development & control of formation)		PY 2.4 Describe RBC formation (erythropoiesis & its regulation) and its functions	RBC (Morphology, Development & control of formation)	B	Methods of blood collection & anticoagulants	PY 2.1 Describe the composition and functions of blood components	A	Frog's nerve muscle preparation	PY 3.18 Observe with Computer assisted learning (i) amphibian nerve - muscle experiments (ii) amphibian cardiac experiments	C	Hemoglobin Structure & Functions & Tests For Carbohydrates I	BIS.12 Describe the major types of haemoglobin and its derivatives found in the body and their physiological/ pathological relevance. & BIS.2 Describe and discuss functions of proteins and structure-function relationships in relevant areas eg. hemoglobin and selected hemoglobiopathies(III Physiology)
21-09-2019 Saturday	AN 10.3, 10.5, 10.6, Axilla - 2 Interactive lecture (VI-SII)		AN 10.8, 10.9 Back Interactive lecture		Dissection - Back												
23/09/2019 Monday	Membrane Potential I	PY 1.8 Describe and discuss the molecular basis of resting membrane potential and action potential in excitable tissue	Haemoglobin (III - Biochemistry)	PY 2.3 Describe and discuss the synthesis and functions of Haemoglobin and explain its breakdown. Describe the variants of haemoglobin	Amino acids- Classification, General physical & Chemical Properties		BIS.1 Describe and discuss structural organization of proteins.	Polysaccharide - (Homo & Hetero polysaccharide)	C	Methods of blood collection & anticoagulants	PY 2.1 Describe the composition and functions of blood components	B	Frog's nerve muscle preparation	PY 3.18 Observe with Computer assisted learning (i) amphibian nerve - muscle experiments (ii) amphibian cardiac experiments	A	Hemoglobin Structure & Functions & Tests For Carbohydrates I	BIS.12 Describe the major types of haemoglobin and its derivatives found in the body and their physiological/ pathological relevance. & BIS.2 Describe and discuss functions of proteins and structure-function relationships in relevant areas eg. hemoglobin and selected hemoglobiopathies(III Physiology)
24-09-2019 Tuesday	AN 10.10, 10.13 Scapular region Interactive lecture		AN 65.1, 65.2 Histology - Epithelium - 2		Histology practical Batch - A / region		Dissection - Scapular		AN 8.1, 8.2, 8.4 Tutorial - External features of radius (SG + DOAP session) (VI-OR)		Histology practical Batch - B / Scapular region		Dissection -				
25/09/2019 Wednesday	Apoptosis (VI - Pathology)	PY 1.4 Describe apoptosis - programmed cell death	Haemoglobin (III - Biochemistry)	PY 2.3 Describe and discuss the synthesis and functions of Haemoglobin and explain its breakdown. Describe the variants of haemoglobin	Action Potential		PY 1.8 Describe and discuss the molecular basis of resting membrane potential and action potential in excitable tissue		A	Methods of blood collection & anticoagulants	PY 2.1 Describe the composition and functions of blood components	C	Frog's nerve muscle preparation	PY 3.18 Observe with Computer assisted learning (i) amphibian nerve - muscle experiments (ii) amphibian cardiac experiments	B	Hemoglobin Structure & Functions & Tests For Carbohydrates I	BIS.12 Describe the major types of haemoglobin and its derivatives found in the body and their physiological/ pathological relevance. & BIS.2 Describe and discuss functions of proteins and structure-function relationships in relevant areas eg. hemoglobin and selected hemoglobiopathies(III Physiology)
26-09-2019 Thursday	AN 11.1, 11.2 Anterior compartment of arm Interactive lecture		AN 77.3 Embryology: Gametogenesis		Histology practical Batch - C / compartment of arm		Dissection - Anterior		AN 8.1, 8.2, 8.4 Tutorial - External features of ulna (SG + DOAP session) (VI-OR)		Histology practical Batch - D / Anterior compartment of arm		Dissection -				

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	Tonic	Competency	Tonic	Competency	Tonic	Competency	Tonic	Competency	Batch	Tonic of Practical	Competency	Batch	Tonic of Practical	Competency	Batch	Tonic of Practical	Competency
27/09/2019 Friday	Structural organization of Protein	BI5.1 Describe and discuss structural organization of proteins.	RBC (Morphology, Development & control of formation)	PY 2.4 Describe RBC formation (erythropoiesis & its regulation) and its	Properties of Nerve Fiber	PY 3.2 Describe the types, functions & properties of nerve fibers	Degeneration & Regeneration of Nerve Fiber (VI - General medicine)	PY 3.3 Describe the degeneration and regeneration in peripheral nerves	B	Hemoglobin estimation (VI : Pathology, HI: Biochemistry)	P Y 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT P Y 2.5 Describe the different types of anaemias & jaundice	A	Simple muscle curve & effects of temperature on skeletal muscle contraction	P Y 3.18 Observe with Computer assisted learning (I) amphibian nerve - muscle experiments (II) amphibian cardiac experiments	C	Hemoglobinopathies & Tests For Carbohydrates II	BI5.2 Describe and discuss functions of proteins and structure-function relationships in relevant areas eg. hemoglobin and selected hemoglobinopathies(HI Physiology)
28-09-2019 Saturday	AN 13.4 Shoulder girdle Interactive lecture		AN 11.1 to 11.6 Posterior compartment of arm and cubital fossa (VI-SU) (VI-OR)		Dissection - Posterior compartment of arm and cubital fossa												
30/09/2019 Monday	WBC	PY 2.6 Describe WBC formation (granulopoiesis) and its regulation	Anaemias (VI: Pathology) (HI: Biochemistry)	PY 2.5 Describe different types of anaemias & jaundice	Structural and functional correlation of Protein (Hemoglobin & Collagen)	BI5.2 Describe and discuss functions of proteins and structure-function relationships in relevant areas eg. hemoglobin and selected hemoglobinopathies (I-III Physiology)	Lipids - Classification & Fatty Acids - Classification	BI4.1 Describe and discuss main classes of lipids (Essential/non-essential fatty acids, cholesterol and hormonal steroids, triglycerides, major phospholipids and sphingolipids) relevant to human system and their major functions. (VI-Medicine)	C	Hemoglobin estimation (VI: Pathology, HI: Biochemistry)	P Y 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT P Y 2.5 Describe different types of anaemias & jaundice	B	Simple muscle curve & effects of temperature on skeletal muscle contraction	P Y 3.18 Observe with Computer assisted learning (I) amphibian nerve - muscle experiments (II) amphibian cardiac experiments	A	Hemoglobinopathies & Tests For Carbohydrates II	BI5.2 Describe and discuss functions of proteins and structure-function relationships in relevant areas eg. hemoglobin and selected hemoglobinopathies(HI Physiology)
1-10-2019 Tuesday	AN 10.12 Shoulder joint Interactive		AN 65.1, 65.2, 70.1		Histology practical Batch - A / Dissection - Shoulder joint				AN 8.1, 8.2, 8.4	Tutorial - Attachments of radius (SG + DOAP session) (VI-OR)		Histology practical Batch - B / Dissection - Shoulder joint					
2-10-2019 Wednesday	Gandhi Jayanti				Histology practical Batch - C / Dissection - Front of forearm				AN 8.1, 8.2, 8.4	Tutorial - Attachments of ulna (SG + DOAP session) (VI-OR)		Histology practical Batch - D / Dissection - Front of forearm					
3-10-2019 Thursday	Forearm - 1 Interactive lecture		AN 77.1, 77.2 Embryology: Ovarian and menstrual cycle (VI-OG)		Histology practical Batch - C / Dissection - Front of forearm												
4-10-2019 Friday	Compound lipids (Phospholipids) - structure and functions	BI4.1 Describe and discuss main classes of lipids (Essential/non-essential fatty acids, cholesterol and hormonal steroids, triglycerides, major phospholipids and sphingolipids) relevant to human system and their major functions. (VI-Medicine)	Introduction to Muscle Physiology	PY 3.7 Describe the different types of muscle fibres and their structure	Anaemias (VI: Pathology) (HI: Biochemistry)	PY 2.5 Describe the different types of anaemias & jaundice	WBC	PY 2.6 Describe WBC formation (granulopoiesis) and its regulation	A	Hemoglobin estimation (VI : Pathology, HI: Biochemistry)	P Y 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT P Y 2.5 Describe the different types of anaemias & jaundice	C	Simple muscle curve & effects of temperature on skeletal muscle contraction	P Y 3.18 Observe with Computer assisted learning (I) amphibian nerve - muscle experiments (II) amphibian cardiac experiments	B	Hemoglobinopathies & Tests For Carbohydrates II	BI5.2 Describe and discuss functions of proteins and structure-function relationships in relevant areas eg. hemoglobin and selected hemoglobinopathies(HI Physiology)
5-10-2019 Saturday	AN 12.2, 12.11 to 12.15 Forearm - 2 Interactive lecture (VI-SU)		Dissection - Back of forearm				AN 8.1, 8.2, 8.4, 8.6	Tutorial - articulated hand (SG + DOAP session) (VI-OR)									
7-10-2019 Monday	Functional Anatomy & Organization of Skeletal Muscle	PY 3.7 Describe the different types of muscle fibres and their structure	IMMUNITY I	PY 2.10 Define and classify different types of immunity. Describe the development of immunity and its regulation	Eicosanoids	BI4.6 Describe the therapeutic uses of prostaglandins and inhibitors of eicosanoid synthesis. (VI-Medicine)	Eicosanoids	BI4.6 Describe the therapeutic uses of prostaglandins and inhibitors of eicosanoid synthesis. (VI-Medicine)	B	Total RBC Count (VI : Pathology, HI: Biochemistry)	P Y 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT P Y 2.5 Describe the different types of anaemias & jaundice	A	Gradation of stimuli & strength duration curve	P Y 3.18 Observe with Computer assisted learning (I) amphibian nerve - P Y 3.17 Describe Strength-duration curve muscle experiments (II) amphibian cardiac experiments	C	Vitamin A & E and Tests for Protein	BI6.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency
8-10-2019 Tuesday	Dussehra																
9-10-2019 Wednesday	PLATELETS I (VI- Pathology)	PY 2.8 Describe the physiological basis of hemostasis and, anticoagulants. PY 2.7 Describe the formation of platelets, functions and variations. Describe the bleeding & clotting disorders (Hemophilia, purpura)	Electromyography & Common Disorder of Muscle	PY 3.5 Discuss the action of neuro-muscular blocking agents, PY 3.6 Describe the pathophysiology of Myasthenia gravis, PY 3.13 Describe the muscular dystrophy, myopathies	PLATELETS II (VI - Pathology)	PY 2.8 Describe the physiological basis of hemostasis and, anticoagulants. Describe bleeding & clotting disorders (Hemophilia, purpura)	IMMUNITY II	PY 2.10 Define and classify different types of immunity. Describe the development of immunity and its regulation	C	Total RBC Count (VI : Pathology, HI: Biochemistry)	P Y 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT P Y 2.5 Describe the different types of anaemias & jaundice	B	Gradation of stimuli & strength duration curve	P Y 3.18 Observe with Computer assisted learning (I) amphibian nerve - P Y 3.17 Describe Strength-duration curve muscle experiments (II) amphibian cardiac experiments	A	Vitamin A & E and Tests for Protein	BI6.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency
10-10-2019 Thursday	AN 12.3 to 12.6, 12.9 Hand - 1 Interactive lecture		AN 77.4 Embryology: Fertilization & implantation (VI-OG)		Dissection - hand				AN 13.5 to 13.7	Surface marking, living anatomy & X-ray of UI. (SG + DOAP session) (VI-BA)		Dissection - hand					
11-10-2019 Friday	Enzymes - Classification & General Properties	BI2.1 Explain fundamental concepts of enzyme, isoenzyme, alloenzyme, coenzyme & co-factors. Enumerate the main classes of IIRMB nomenclature.	PLATELETS II (VI Pathology)	PY 2.8 Describe the physiological basis of hemostasis and, anticoagulants. PY 2.7 Describe the formation of platelets, functions and variations. Describe the bleeding & clotting disorders (Hemophilia, purpura)	Molecular Structure of Skeletal Muscle	PY 3.7 Describe the different types of muscle fibres and their structure	NeuroMuscular Junction & Disorder I (VI - Anaesthesiology)	PY 3.5 Discuss the action of neuro-muscular blocking agents	A	Total RBC Count (VI : Pathology, HI: Biochemistry)	P Y 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT P Y 2.5 Describe the different types of anaemias & jaundice	C	Gradation of stimuli & strength duration curve	P Y 3.18 Observe with Computer assisted learning (I) amphibian nerve - P Y 3.17 Describe Strength-duration curve muscle experiments (II) amphibian cardiac experiments	B	Vitamin A & E and Tests for Protein	BI6.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency

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12-10-2019 Saturday	AN 12.7, 12.8, 12.10 Hand - 2 Interactive lecture (VI-SJ)		AN 13.3 Joints of Upper limb-1 Interactive lecture														
14-10-2019 Monday	PLATELETS III (VI- Pathology)	PY 2.8 Describe the physiological basis of hemostasis and anticoagulants. Describe bleeding & clotting disorders (Hemophilia, purpura)	Process of Muscle Excitibility & Contractility and Energetics of Skeletal Muscle	PY 3.9 Describe the molecular basis of muscle contraction in skeletal and in smooth muscles	Isoenzyme, Alloenzymes and conenzymes	BIZ.1 Explain fundamental concepts of enzyme, isoenzyme, alloenzyme, coenzyme & co-factors. Enumerate the main classes of IIBMB nomenclature.	Basic Principles of Enzyme activity (Active site)	BIZ.3 Describe and explain the basic principles of enzyme activity	B	Reticulocyte Count (VI- Pathology, HI- Biochemistry)	PY 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT PY 2.13 Describe steps for reticulocyte and platelet count	A	Effect of load on skeletal muscle contraction	PY 3.18 Observe with Computer assisted learning (I) amphibian nerve-muscle experiments (I) amphibian cardiac experiments	C	Vitamin D & K and CSF Examination	B16.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency & B11.1.15 Describe & discuss the composition of CSF
15-10-2019 Tuesday	AN 13.4 Joints of Upper limb-2 Interactive lecture		AN 66.1, 66.2 Histology: Connective tissue		Histology practical Batch - A & B/ Revision of UL (soft parts)			Revision of UL (hard parts)				Histology practical Batch - C & D/ Revision of UL (soft parts)					
16-10-2019 Wednesday	IMMUNITY II	PY 2.10 Define and classify different types of immunity. Describe the development of immunity and its regulation	Energetics of Muscle Contraction	PY 3.9 Describe the molecular basis of muscle contraction in skeletal and in smooth muscles. PY 3.10 Describe the mode of muscle contraction (isometric and isotonic)	Properties of Muscle Contraction	PY 3.10 Describe the mode of muscle contraction (isometric and isotonic), PY 3.11 Explain energy source and muscle metabolism			C	Reticulocyte Count (VI- Pathology, HI- Biochemistry)	PY 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT PY 2.13 Describe steps for reticulocyte and platelet count	B	Effect of load on skeletal muscle contraction	PY 3.18 Observe with Computer assisted learning (I) amphibian nerve-muscle experiments (II) amphibian cardiac experiments	A	Vitamin D & K and CSF Examination	B16.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency & B11.1.15 Describe & discuss the composition of CSF
17-10-2019 Thursday	UL -part ending theory exam				UL -part ending practical exam												
18-10-2019 Friday	1st day to day exam Biochemistry	1st day to day exam Biochemistry	BLOOD GROUP I (VI- Pathology)	PY 2.9 Describe different blood groups and discuss the clinical importance of blood grouping, blood banking and transfusion	NeuroMuscula r Junction & Disorder 2 (VI- Anaesthesiology, pathology, General Medicine HI- Anatomy)	PY 3.4 Describe the structure of neuro-muscular junction and transmission	IMMUNITY III	PY 2.10 Define and classify different types of immunity. Describe the development of immunity and its regulation	A	Reticulocyte Count (VI- Pathology, HI- Biochemistry)	PY 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT PY 2.13 Describe steps for reticulocyte and platelet count	C	Effect of load on skeletal muscle contraction	PY 3.18 Observe with Computer assisted learning (I) amphibian nerve-muscle experiments (II) amphibian cardiac experiments	B	Vitamin D & K and CSF Examination	B16.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency & B11.1.15 Describe & discuss the composition of CSF
19-10-2019 Saturday	AN 20.3 to 20.5, 20.10 Introduction to lower limb, its development, dematomies, venous drainage & lymphatic drainage Interactive lecture (VI-SJ)		AN 14.1, 14.2 Tutorial - External features of Hip bone (SG + DOAP session)		Dissection - front of thigh												
21-10-2019 Monday	BLOOD GROUP II (VI Pathology)	PY 2.9 Describe different blood groups and discuss the clinical importance of blood grouping, blood banking and transfusion	IMMUNITY IV	PY 2.10 Define and classify different types of immunity. Describe the development of immunity and its regulation	Describes and discuss enzyme inhibitors (Enzyme Inhibitors)	BIZ.4 Describe and discuss enzyme inhibitors as poisons and drugs and as therapeutic enzymes (VI- Medicine & Patho)	Describes and discuss enzyme inhibitors (Enzyme Inhibition) and therapeutic use of enzyme	BIZ.4 Describe and discuss enzyme inhibitors as poisons and drugs and as therapeutic enzymes (VI- Medicine & Patho)	B	Erythrocyte Sedimentation Rate (VI- Pathology, HI- Biochemistry)	PY 2.12 Describe test for ESR, Osmotic fragility, Hematocrit. Note the findings and interpret the test results etc	A	Effect of 2 successive stimuli on skeletal muscle contraction & tetanus	PY 3.18 Observe with Computer assisted learning (I) amphibian nerve-muscle experiments (II) amphibian cardiac experiments	C	Vitamin B complex Part 1 & Normal & Abnormal Gastric Juice	B16.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency
22-10-2019 Tuesday	AN 15.3, 15.4 Front of thigh - 1 Interactive lecture (VI-SJ)		AN 77.5, 77.6 Embryology: Contraception, Infertility, surrogacy, sex-ratio (VI- OG)		Dissection - front of thigh			AN 14.1, 14.2 Tutorial - Attachments of hip bone (SG + DOAP session)					Dissection - front of thigh				
23-10-2019 Wednesday	SYSTEM ENDING EXAM	SYSTEM ENDING EXAM	SYSTEM ENDING EXAM	SYSTEM ENDING EXAM	SYSTEM ENDING EXAM	SYSTEM ENDING EXAM	SYSTEM ENDING EXAM	SYSTEM ENDING EXAM	SYSTEM ENDING EXAM				SYSTEM ENDING EXAM	SYSTEM ENDING EXAM	SYSTEM ENDING EXAM	SYSTEM ENDING EXAM	SYSTEM ENDING EXAM
24-10-2019 Thursday	SYMPOSIUM / case base learning																
25-10-2019 Friday	Clinical Utility of enzyme activity and enzyme based assay	BIZ.5 Describe and discuss the clinical utility of various serum enzymes as markers of pathological conditions, BIZ.6 Discuss use of enzymes in laboratory investigations (Enzyme-based assays) (VI-Medicine & Patho)	Cardiac Muscle Anatomical Physiology	PY 5.1 Describe the functional anatomy of heart including chambers, sounds, and Pacemaker tissue and conducting system.	Introduction to Respiratory system	PY 6.1 Describe the functional anatomy of respiratory tract	ANS-INTRODUCTION (III- Human Anatomy)	PY 10.5 Describe and discuss structure and functions of reticular activating system, autonomic nervous system (ANS)	C	Erythrocyte Sedimentation Rate (VI- Pathology, HI- Biochemistry)	PY 2.12 Describe test for ESR, Osmotic fragility, Hematocrit. Note the findings and interpret the test results etc	B	Effect of 2 successive stimuli on skeletal muscle contraction & tetanus	PY 3.18 Observe with Computer assisted learning (I) amphibian nerve-muscle experiments (II) amphibian cardiac experiments	A	Vitamin B complex Part 1 & Normal & Abnormal Gastric Juice	B16.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency

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	Tonic	Competency	Tonic	Competency	Tonic	Competency	Tonic	Competency	Batch	Tonic of Practical	Competency	Batch	Tonic of Practical	Competency	Batch	Tonic of Practical	Competency
AFTCOM 1.1 / Part 2																	
26-10-2019 Saturday	Diwali Vacation																
4-11-2019 Monday	ANS-receptor & their func. I (H - Human Anatomy)	PY 10.5 Describe and discuss structure and functions of reticular activating system, autonomic nervous system (ANS)	Mechanism of breathing I	PY6.2 Describe the mechanics of normal respiration, pressure changes during ventilation, lung volume and capacities, alveolar surface tension, compliance, airway resistance, ventilation, V/P ratio, diffusion capacity of lungs.	Digestion & absorption of Lipids, Carbohydrates & Protein	B4.2 Describe the processes involved in digestion and absorption of dietary lipids and also the key features of their metabolism, B13.2 Describe the processes involved in digestion and assimilation of carbohydrates and storage. (VI-Medicine)	Digestion & absorption of Lipids, Carbohydrates & Protein	B15.3 Describe the digestion and absorption of dietary proteins. (VI-Paediatrics)	A	Erythrocyte Sedimentation Rate (VI-Pathology, HI-Biochemistry)	PY 2.12 Describe test for ESR, Osmotic fragility, Hematocrit. Note the findings and interpret the test results etc	C	Effect of 2 successive stimuli on skeletal muscle contraction & tetanus	PY 3.18 Observe with Computer assisted learning (I) amphibian nerve-muscle experiments (II) amphibian cardiac experiments	B	Vitamin B complex Part 1 & Normal & Abnormal Gastric Juice	B16.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency
5-11-2019 Tuesday	AN 15.1, 15.2 Front of thigh - 2 Interactive lecture		AN 71.2 Histology: Cartilage		Histology practical Batch - A / Dissection - Front of thigh				AN 14.1 to 14.3 Tutorial - External features of femur (SG + DOAP session) (VI-FM)			Histology practical Batch - B / Dissection - Front of thigh					
6-11-2019 Wednesday	Mechanism of breathing II	PY6.2 Describe the mechanics of normal respiration, pressure changes during ventilation, lung volume and capacities, alveolar surface tension, compliance, airway resistance, ventilation, V/P ratio, diffusion capacity of lungs	Cardiac Muscle Action Potential	PY 5.2 Describe the properties of cardiac muscle including its morphology, electrical, mechanical and metabolic functions	ANS-receptor & their func. II (H - Human Anatomy)	PY 10.5 Describe and discuss structure and functions of reticular activating system, autonomic nervous system (ANS)			B	Packed Cell Volume (VI-Pathology, HI-Biochemistry)	PY 2.12 Describe test for ESR, Osmotic fragility, Hematocrit. Note the findings and interpret the test results etc	A	Fatigue & Action potential	PY 3.18 Observe with Computer assisted learning (I) amphibian nerve-muscle experiments (II) amphibian cardiac experiments	C	Vitamin B Complex Part 2 & Normal Urine Examination	B16.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency & B11.3 Describe the chemical components of normal urine.
7-11-2019 Thursday	AN 15.5 Medial side of thigh & Gluteal region - 1 Interactive lecture		AN 78.1 to 78.5 Embryology: Second week of development (VI-DO)		Histology practical Batch - C / Dissection - Medial side of thigh				AN 14.1 to 14.3 Tutorial - Attachments of femur (SG + DOAP session)			Histology practical Batch - D / Dissection - Medial side of thigh					
8-11-2019 Friday	Glucose transporter and Glycolysis - pathway	B13.4 Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt), & B13.5 Describe and discuss the regulation, functions and integration of carbohydrate along with associated diseases/disorders. (VI-Medicine)	Electrophysiology of Heart	PY 5.2 Describe the properties of cardiac muscle including its morphology, electrical, mechanical and metabolic functions	pulmonary surfactant & applied	PY 10.5 Describe and discuss structure and functions of reticular activating system, autonomic nervous system (ANS)	ANS-Applied (H - Human Anatomy)		C	Packed Cell Volume (VI-Pathology, HI-Biochemistry)	PY 2.12 Describe test for ESR, Osmotic fragility, Hematocrit. Note the findings and interpret the test results etc	B	Fatigue & Action potential	PY 3.18 Observe with Computer assisted learning (I) amphibian nerve-muscle experiments (II) amphibian cardiac experiments	A	Vitamin B Complex Part 2 & Normal Urine Examination	B16.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency & B11.3 Describe the chemical components of normal urine.
9-11-2019 Saturday	AN 16.1 to 16.3 Gluteal region - 2 Interactive lecture (VI-SH)		Dissection - Gluteal region														
11-11-2019 Monday	Electrophysiology & Properties of Heart	PY 5.2 Describe the properties of cardiac muscle including its morphology, PY 5.4 Describe generation, conduction of cardiac impulse, electrical, mechanical and metabolic functions	Cardiac Cycle I	PY 5.3 Discuss the events occurring during the cardiac cycle	Glycolysis - regulation & energetics	B13.4 Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt), & B13.5 Describe and discuss the regulation, functions and integration of carbohydrate along with associated diseases/disorders. (VI-Medicine)	Glycolysis- Inhibitors, Leubering rapaport cycle & PDH Complex		A	Packed Cell Volume (VI-Pathology, HI-Biochemistry)	PY 2.12 Describe test for ESR, Osmotic fragility, Hematocrit. Note the findings and interpret the test results etc	C	Fatigue & Action potential	PY 3.18 Observe with Computer assisted learning (I) amphibian nerve-muscle experiments (II) amphibian cardiac experiments	B	Vitamin B Complex Part 2 & Normal Urine Examination	B16.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency & B11.3 Describe the chemical components of normal urine.
12-11-2019 Tuesday	Holiday - Gurusnank Jayanti																

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	Tonic	Competency	Tonic	Competency	Tonic	Competency	Tonic	Competency	Batch	Tonic of Practical	Competency	Batch	Tonic of Practical	Competency	Batch	Tonic of Practical	Competency	
13-11-2019 Wednesday	Introduction to CNS (HI - Human Anatomy)	PY 10.1 Describe and discuss the organization of nervous system	Cardiac Cycle II	PY 5.3 Discuss the events occurring during the cardiac cycle	Cardiac Cycle III	PY 5.3 Discuss the events occurring during the cardiac cycle			B	Tonicity of RBCs (VI : Pathology, HI: Biochemistry)	PY 2.12 Describe test for ESR, Osmotic fragility, Hematocrit. Note the findings and interpret the test results etc	A	Nerve conduction velocity	PY 3.18 Observe with Computer assisted learning (I) amphibian nerve-muscle experiments (II) amphibian cardiac experiments	C	Vitamin C & Abnormal Urine Specimen Examination	BI6.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency. BI11.4 Perform urine analysis to estimate and determine normal and abnormal constituents & BI11.20 Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states.	
14-11-2019 Thursday	AN 16.4 to 16.5 Back of thigh Interactive lecture		AN 71.1 Histology: Bone (VI-PA)		Histology practical Batch - A & B / Dissection - Back of thigh			AN 14.1, 14.2 Tutorial - Patella & Tibia (SG + DOAP session)				Histology practical Batch - C & D / Dissection - Back of thigh						
15-11-2019 Friday	TCA Cycle	BI3.6 Describe and discuss the concept of TCA cycle as a amphibolic pathway and its regulation.	Heart Sounds & Heart Rate	PY 5.5 Describe the physiology of electrocardiogram (E.C.G), its applications and the cardiac axis	Synapse (HI - Human Anatomy)	PY 10.2 Describe and discuss the functions and properties of synapse, reflex, receptors	Rhythmic Excitation of Heart	PY 5.4 Describe generation, conduction of cardiac impulse	C	Tonicity of RBCs (VI : Pathology, HI: Biochemistry)	PY 2.12 Describe test for ESR, Osmotic fragility, Hematocrit. Note the findings and interpret the test results etc	B	Nerve conduction velocity	PY 3.18 Observe with Computer assisted learning (I) amphibian nerve-muscle experiments (II) amphibian cardiac experiments	A	Vitamin C & Abnormal Urine Specimen Examination	BI6.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency. BI11.4 Perform urine analysis to estimate and determine normal and abnormal constituents & BI11.20 Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states.	
16-11-2019 Saturday	AN 16.6 Popliteal fossa Interactive lecture		98.3, 78.5, 80.1 Embryology: Third week of development (VI-OG)		Dissection - Popliteal fossa													
18-11-2019 Monday	Rhythmic Excitation of Heart	PY 5.4 Describe generation, conduction of cardiac impulse	Electrocardiogram	PY 5.5 Describe the physiology of electrocardiogram (E.C.G), its applications and the cardiac axis	Lipoprotein Metabolism	BI4.4 Describe the structure and functions of lipoproteins, their functions, interrelations & relations with atherosclerosis (VI : Medicine )	Lipoprotein Metabolism (Hereditary and Acquired Cholesterol Abnormality)	BI4.3 Explain the regulation of lipoprotein metabolism & associated disorders. (VI : Medicine )	A	Tonicity of RBCs (VI : Pathology, HI: Biochemistry)	PY 2.12 Describe test for ESR, Osmotic fragility, Hematocrit. Note the findings and interpret the test results etc	C	Nerve conduction velocity	PY 3.18 Observe with Computer assisted learning (I) amphibian nerve-muscle experiments (II) amphibian cardiac experiments	B	Vitamin C & Abnormal Urine Specimen Examination	BI6.5 Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency. BI11.4 Perform urine analysis to estimate and determine normal and abnormal constituents & BI11.20 Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states.	
19-11-2019 Tuesday	AN 17.1 to 17.3 Hip joint, Fracture neck femur and hip joint replacement Interactive lecture (VI-OB)		AN 67.1 to 67.3 Histology: Muscle tissue (HI-PI)		Histology practical Batch - A / Dissection - Hip joint			AN 14.1, 14.2 Tutorial - Filula (SG + DOAP session)				Histology practical Batch - B / Dissection - Hip joint						
20-11-2019 Wednesday	Electrocardiogram (VI:General Medicine)	PY 5.5 Describe the physiology of electrocardiogram (E.C.G), its applications and the cardiac axis, PY 5.6 Describe abnormal ECG, arrhythmias, heart block and myocardial Infarction	EPSP & IPSP	PY 3.8 Describe action potential and its properties in different muscle types (skeletal & smooth)	Electrocardiogram (VI: General Medicine)	PY 5.5 Describe the physiology of electrocardiogram (E.C.G), its applications and the cardiac axis	Visit to ECG Room	PY 5.5 Describe the physiology of electrocardiogram (E.C.G), its applications and the cardiac axis	B	Osmotic Gragility of RBCs (VI : Pathology, HI: Biochemistry)	PY 2.12 Describe test for ESR, Osmotic fragility, Hematocrit. Note the findings and interpret the test results etc	A	Electromyography	PY 3.8 Describe action potential and its properties in different muscle types (skeletal & smooth)	C	Techniques of Blood Collection & Use of Vacuette and Colorimeter & Spectrophotometer Principle	BI11.6 Describe the principles of colorimetry & BI11.18 Discuss the principles of spectrophotometry.	
21-11-2019 Thursday	AN 18.1 to 18.3, 20.3 Front of leg and dorsum of foot Interactive lecture (VI-SJ)		AN 79.4 to 79.6 Embryology: Fourth week of development (VI-OG)		Histology practical Batch - C / Dissection - Front of leg and dorsum of foot			AN 14.1, 14.2, 14.4 Tutorial - Articulate foot (SG + DOAP session)				Histology practical Batch - B / Dissection - Front of leg and dorsum of foot						
22-11-2019 Friday	Glycogen Metabolism with disorders	BI3.4 Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt), & BI3.5 Describe and discuss the regulation, functions and integration of carbohydrate along with associated diseases/disorders. (VI:Medicine).	Electrocardiogram (VI:General Medicine)	PY 5.5 Describe the physiology of electrocardiogram (E.C.G), its applications and the cardiac axis, PY 5.6 Describe abnormal ECG, arrhythmias, heart block and myocardial Infarction	Properties of Synapse (HI - Human Anatomy)	PY 10.2 Describe and discuss the functions and properties of synapse, reflex, receptors	Properties of Synapse (HI - Human Anatomy)	PY 10.2 Describe and discuss the functions and properties of synapse, reflex, receptors	C	Osmotic Gragility of RBCs (VI : Pathology, HI: Biochemistry)	PY 2.12 Describe test for ESR, Osmotic fragility, Hematocrit. Note the findings and interpret the test results etc	B	Electromyography	PY 3.8 Describe action potential and its properties in different muscle types (skeletal & smooth)	A	Techniques of Blood Collection & Use of Vacuette and Colorimeter & Spectrophotometer Principle	BI11.6 Describe the principles of colorimetry & BI11.18 Discuss the principles of spectrophotometry.	

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23-11-2019 Saturday	AN 19.1 to 19.4 Back of leg and lateral side of leg Interactive lecture (VI-SU) (VI-OR)		Dissection - Back of leg and lateral side of leg / Embryology models																
25-11-2019 Monday	Electrocardiogram (VI-General Medicine)	PY 5.5 Describe the physiology of electrocardiogram (E.C.G), its applications and the cardiac axis, PY 5.6 Describe abnormal ECG, arrhythmias, heart block and myocardial Infarction	Electrocardiogram (VI-General Medicine)	PY 5.5 Describe the physiology of electrocardiogram (E.C.G), its applications and the cardiac axis, PY 5.6 Describe abnormal ECG, arrhythmias, heart block and myocardial Infarction	Glucocorticoids		BI3.4 Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt) & BI3.5 Describe and discuss the regulation, functions and integration of carbohydrate along with associated diseases/disorders. (VI-Medicine I)	Glucocorticoids		BI3.4 Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt) & BI3.5 Describe and discuss the regulation, functions and integration of carbohydrate along with associated diseases/disorders. (VI-Medicine I)	A	Osmotic Fragility of RBCs (VI : Pathology, HI: Biochemistry)	PY 2.12 Describe test for ESR, Osmotic fragility, Hematocrit. Note the findings and interpret the test results etc	C	Electromyography	PY 3.8 Describe action potential and its properties in different muscle types (skeletal & smooth)	B	Techniques of Blood Collection & Use of Vacutainer and Colorimeter & Spectrophotometer Principle	BI11.6 Describe the principles of colorimetry & BI11.18 Discuss the principles of spectrophotometry.
26-11-2019 Tuesday	AN 18.4 Knee joint - 1 Interactive lecture		AN 67.1 to 67.3 Histology: Nervous tissue (HI-PI)		Histology practical Batch - A / Dissection - Knee joint				AN 20.6 X-rays of lower limb Interactive lecture (VI-RA)			Histology practical Batch - B / Dissection - Knee joint							
27-11-2019 Wednesday	Neurotransmitter & Chemical Transmission	PY 10.10 Describe and discuss chemical transmission in the nervous system. (Outline the psychiatry element).	Receptor (HI - Human Anatomy)	PY 10.2 Describe and discuss the functions and properties of synapse, reflex, receptors	Sympathetic NS + Applied aspects (HI - Human Anatomy)						B	Blood Indices (VI : Pathology, HI: Biochemistry)	PY 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT PY 2.5 Describe different types of anaemias & jaundice	A	Ergography	PY 3.14 Perform Ergography	C	Electrophoresis & Estimation of Blood Glucose	BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including & BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum
28-11-2019 Thursday	AN 18.5 to 18.7 Knee joint - 2 Interactive lecture (VI-OR)		AN 80.1, 80.3, 80.5 Embryology: Placenta (VI-DG)		Histology practical Batch - C / X-ray lower limb				AN 20.7 to 20.9 Surface marking and living anatomy of lower limb Interactive lecture (VI-IM) (VI-SU)			Histology practical Batch - D / X-ray lower limb							
29-11-2019 Friday	HMP Shunt Pathway	BI3.4 Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt) & BI3.5 Describe and discuss the regulation, functions and integration of carbohydrate along with associated diseases/disorders. (VI-Medicine I)	Electrocardiogram Interpretation (VI-General Medicine)	PY 5.5 Describe the physiology of electrocardiogram (E.C.G), its applications and the cardiac axis, PY 5.6 Describe abnormal ECG, arrhythmias, heart block and myocardial Infarction	Introduction to Haemodynamics	PY 5.7 Describe and discuss haemodynamics of circulatory system	Mechanics of breathing II	PY 6.2 Describe the mechanics of normal respiration, pressure changes during ventilation, lung volume and capacities, alveolar surface tension, compliance, airway resistance, ventilation, V/P ratio, diffusion capacity of lungs			C	Blood Indices (VI : Pathology, HI: Biochemistry)	PY 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT PY 2.5 Describe different types of anaemias & jaundice	B	Ergography	PY 3.14 Perform Ergography	A	Electrophoresis & Estimation of Blood Glucose	BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including & BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum
30-11-2019 Saturday	Sole of foot Interactive lecture		Dissection - Sole of foot																
2-12-2019 Monday	<b>SYSTEM ENDING EXAM</b>	<b>SYSTEM ENDING EXAM</b>	<b>SYSTEM ENDING EXAM</b>	<b>SYSTEM ENDING EXAM</b>	<b>Biochemistry</b>		<b>Biochemistry</b>												
3-12-2019 Tuesday	AN 20.1, 20.2 Tibiofibular, Ankle, Subtalar and other joints of foot Interactive lecture		AN 69.1 to 69.3 Histology: Blood vessels (HI-PI)		Histology practical Batch - A / Dissection of joints / Surface marking				Question - Answer session			Histology practical Batch - B / Dissection of joints / Surface marking							
4-12-2019 Wednesday	Introduction To Reflex (HI - Human Anatomy)	PY 10.2 Describe and discuss the functions and properties of synapse, reflex, receptors	Monosynaptic Reflex (HI - Human Anatomy)	PY 10.2 Describe and discuss the functions and properties of synapse, reflex, receptors	Principles of Circulation	PY 5.7 Describe and discuss haemodynamics of circulatory system					A	Blood Indices (VI : Pathology, HI: Biochemistry)	PY 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT PY 2.5 Describe different types of anaemias & jaundice	C	Ergography	PY 3.14 Perform Ergography	B	Electrophoresis & Estimation of Blood Glucose	BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including & BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum
5-12-2019 Thursday	AN 19.7 to 19.9 Arches of foot Interactive lecture (VI-OR)		AN 80.2, 80.4, 80.6, 80.7 Embryology: Umbilical cord, twinning & amniotic cavity (VI-DG)		Histology practical Batch - C / Dissection of joints / Surface marking				Question - Answer session			Histology practical Batch - D / Dissection of joints / Surface marking							

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	Topic	Competency	Topic	Competency	Topic	Competency	Topic	Competency	Batch	Topic of Practical	Competency	Batch	Topic of Practical	Competency	Batch	Topic of Practical	Competency
6-12-2019 Friday	Minor metabolic pathway of Carbohydrates ( Galactose & Fructose Metabolism)	BI1.4 Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt) & BI1.5 Describe and discuss the regulation, functions and integration of carbohydrate along with associated diseases/disorders. (VI-Medicine)	Surfactant & applied	PG6 Describe the mechanics of normal respiration, pressure changes during ventilation, lung volume and capacities, alveolar surface tension, compliance, airway resistance, ventilation, V/P ratio, diffusion capacity of lungs.	Physiological anatomy of Kidney	PY 7.1 Describe structure and function of kidney	Haemodynamics	PY 5.7 Describe and discuss haemodynamics of circulatory system	B	Total WBC Count (VI- Pathology)	PY 2.1.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT	A	Frog's cardiogram & effects of temperature on it	PY 3.18 Observe with Computer assisted learning (i) amphibian nerve-muscle experiments (ii) amphibian cardiac experiments	C	Chromatography & OGTT	BI11.5 Describe screening of urine for labors errors & describe the use of paper chromatography. BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including:
7-12-2019 Saturday	AETCOM 1.2 / Part 1																
09-12-2019 to 14-12-2019	1st Periodic Examination																
16-12-2019 Monday	pulmonary ventilation	PV6.2 Describe the mechanics of normal respiration, pressure changes during ventilation, lung volume and capacities, alveolar surface tension, compliance, airway resistance, ventilation, V/P ratio, diffusion capacity of lungs	Polysynaptic reflex (III - Human Anatomy)	PY 10.2 Describe and discuss the functions and properties of synapse, reflex, receptors	Oxidation of Fatty acids & Related Disorders	BI6.6 Describe the biochemical processes involved in generation of energy in cells.	Oxidation of Fatty acids & Related Disorders	BI6.6 Describe the biochemical processes involved in generation of energy in cells.	C	Total WBC Count (VI- Pathology)	PY 2.1.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT	B	Frog's cardiogram & effects of temperature on it	PY 3.18 Observe with Computer assisted learning (i) amphibian nerve-muscle experiments (ii) amphibian cardiac experiments	A	Chromatography & OGTT	BI11.5 Describe screening of urine for labors errors & describe the use of paper chromatography. BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including:
17-12-2019 Tuesday	AN 27.1, 27.2 Scalp and Temporal fossa Interactive lecture (VI-SI)		AN 70.2 Histology: Lymphoid tissue (HI-PA)		Histology practical Batch -A / Dissection - Scalp and temporal fossa			AN 26.1, 26.6 Tutorial - Overview of skull and cranial cavity (SG + DOAP session)					Histology practical Batch - B / Dissection - Scalp and temporal fossa				
18-12-2019 Wednesday	Properties of reflex (III - Human Anatomy)	PY 10.2 Describe and discuss the functions and properties of synapse, reflex, receptors	Cardiovascular regulatory Mechanism	PY 5.8 Describe and discuss local and systemic cardiovascular regulatory mechanisms	pulmonary functions tests	PY 6.7 Describe and discuss lung function tests & their clinical significance			A	Total WBC Count (VI- Pathology)	PY 2.1.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT	C	Frog's cardiogram & effects of temperature on it	PY 3.18 Observe with Computer assisted learning (i) amphibian nerve-muscle experiments (ii) amphibian cardiac experiments	B	Chromatography & OGTT	BI11.5 Describe screening of urine for labors errors & describe the use of paper chromatography. BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including:
19-12-2019 Thursday	AN 28.1 to 28.6, 28.8 Face -1 Interactive lecture (VI-IM)		AN 80.1 to 81.3 Embryology: Prenatal diagnosis (VI-OG)		Histology practical Batch -C / Dissection - Face			AN 26.2 Tutorial - Norma Verticalis, Norma Frontalis, Norma Occipitalis (SG + DOAP session)					Histology practical Batch - D / Dissection - Face				
20-12-2019 Friday	Fatty acid Synthesis	BI6.6 Describe the biochemical processes involved in generation of energy in cells.	Glomerular Filtration Rate	PY 7.2 Describe the structure and functions of juxta glomerular apparatus and role of renin-angiotensin system	Cardiovascular Regulatory Mechanism	PY 5.8 Describe and discuss local and systemic cardiovascular regulatory mechanisms	Renin Angiotensin system	PY 7.2 Describe the structure and functions of juxta glomerular apparatus and role of renin-angiotensin system	B	Peripheral Smear (VI- Pathology)	PY 2.1.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT	A	Properties of cardiac muscles & effects of stannius ligature	PY 3.18 Observe with Computer assisted learning (i) amphibian nerve-muscle experiments (ii) amphibian cardiac experiments	C	Kidney Function tests & Estimation of Serum Creatinine	BI6.13 Describe the functions of the kidney, liver, thyroid and adrenal glands. BI11.7 Explain the basis and rationale of biochemical tests done in the following conditions: - & BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum.
21-12-2019 Saturday	AN 31.4, 35.1, 35.10 Face-2 & deep cervical fascia Interactive lecture		Dissection - Face and deep cervical fascia														
23-12-2019 Monday	Blood Pressure	PY 5.8 Describe and discuss local and systemic cardiovascular regulatory, PY 5.9 Describe the factors affecting heart rate, regulation of cardiac output & blood pressure mechanisms	transport of gases I	PY 6.3 Describe and discuss the transport of respiratory gases: Oxygen and Carbon dioxide	Transamination, Transamination & Urea Cycle	BI5.4 Describe common disorders associated with protein metabolism. (VI- Paediatric)	Transamination, Transamination & Urea Cycle	BI5.4 Describe common disorders associated with protein metabolism. (VI- Paediatric)	C	Peripheral Smear (VI- Pathology)	PY 2.1.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT	B	Properties of cardiac muscles & effects of stannius ligature	PY 3.18 Observe with Computer assisted learning (i) amphibian nerve-muscle experiments (ii) amphibian cardiac experiments	A	Kidney Function tests & Estimation of Serum Creatinine	BI6.13 Describe the functions of the kidney, liver, thyroid and adrenal glands. BI11.7 Explain the basis and rationale of biochemical tests done in the following conditions: - & BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum.
24-12-2019 Tuesday	AN 28.7, 28.9, 28.10 Parotid region + Facial nerve Interactive lecture (VI-SI)		AN 69.1 to 69.3 Histology: Blood vessels (HI-PV)		Histology practical Batch -A / Dissection - Parotid region + Facial nerve			AN 26.2 Tutorial - Norma Lateralis (SG + DOAP session)					Histology practical Batch - B / Dissection - Parotid region + Facial nerve				
25-12-2019 Wednesday	Christmas																





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	Tonic	Competency	Tonic	Competency	Tonic	Competency	Tonic	Competency	Batch	Tonic/Practical	Competency	Batch	Tonic/Practical	Competency			
6-1-2020 Monday	high altitude physiology I	PY 6.4 Describe and discuss the physiology of high altitude and deep sea diving	Tubular transport - I	PY 7.3 Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption & secretion; concentration and diluting mechanism	Adipose tissue Metabolism	BI4.5 Interpret laboratory results of analytes associated with metabolism of lipids (VI-Medicine)	Ketone Body Metabolism	BI4.5 Interpret laboratory results of analytes associated with metabolism of lipids (VI-Medicine)	B	Absolute count (VI- Pathology)	PY 2.1.1 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT	A	Effects of drugs on frog's heart	PY 3.18 Observe with Computer assisted learning (i) amphibian nerve-muscle experiments (ii) amphibian cardiac experiments	C	Jaundice & Demonstration of an assay of SGPT & SGOT	BI2.2 Observe the estimation of SGOT & SGPT, BI11.13 Demonstrate the estimation of SGOT/ SGPT
7-1-2020 Tuesday	AN 35.2 to 35.5 Deep Structures of Neck-1 Interactive lecture (VI-SU)		AN 43.2 Endocrine glands		Histology practical Batch -A / Dissection - Deep Structures of Neck			AN 26.3 Tutorial - Anterior and middle cranial fossae (SG + DOAP session)				Histology practical Batch - B / Dissection - Deep Structures of Neck					
8-1-2020 Wednesday	Tubular transport - II	PY 7.3 Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption & secretion; concentration and diluting mechanism	Cardiac Failure	PY 5.11 Describe the patho-physiology of shock, syncope and heart failure	high altitude physiology II	PY 6.4 Describe and discuss the physiology of high altitude and deep sea diving	Somatic Sensation (Pain) (III - Human Anatomy)	PY 10.3 Describe and discuss somatic sensations & sensory tracts	C	Absolute count (VI- Pathology)	PY 2.1.1 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, PY 2.1.3 Describe steps for reticulocyte and platelet count	B	Effects of drugs on frog's heart	PY 3.18 Observe with Computer assisted learning (i) amphibian nerve-muscle experiments (ii) amphibian cardiac experiments	A	Jaundice & Demonstration of an assay of SGPT & SGOT	BI2.2 Observe the estimation of SGOT & SGPT, BI11.13 Demonstrate the estimation of SGOT/ SGPT
9-1-2020 Thursday	AN 35.6 to 35.9 Deep Structures of Neck-2 Interactive lecture (VI-SU)		AN 43.4 Embryology: Face, nose & palate		Histology practical Batch -C / Dissection - Deep Structures of Neck			AN 26.3 Tutorial - Posterior cranial fossae (SG + DOAP session)				Histology practical Batch - D / Dissection - Deep Structures of Neck					
10-1-2020 Friday	Fatty liver & Lipotropic Factors	BI4.5 Interpret laboratory results of analytes associated with metabolism of lipids (VI-Medicine)	Pathophysiology of Shock (VI - General Medicine)	PY 5.10 Describe & discuss regional circulation including microcirculation, lymphatic circulation, coronary, cerebral, capillary, skin, foetal, pulmonary and splanchnic circulation, PY 5.11 Describe the patho-physiology of shock, syncope and heart failure	Pain Pathway	PY 10.3 Describe and discuss somatic sensations & sensory tracts (III - Human Anatomy)	regulation of respiration	PY 6.3 Describe and discuss the transport of respiratory gases: Oxygen and Carbon dioxide	A	Absolute count (VI- Pathology)	PY 2.1.1 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, PY 2.1.3 Describe steps for reticulocyte and platelet count	C	Effects of drugs on frog's heart	PY 3.18 Observe with Computer assisted learning (i) amphibian nerve-muscle experiments (ii) amphibian cardiac experiments	B	Jaundice & Demonstration of an assay of SGPT & SGOT	BI2.2 Observe the estimation of SGOT & SGPT, BI11.13 Demonstrate the estimation of SGOT/ SGPT
11-1-2020 Saturday	<b>AETCOM 1.2 / Part 2</b>																
13-1-2020 Monday	Sports week																
15-1-2020 Wednesday																	
17-1-2020 Friday																	
19-1-2020 Sunday																	
20-1-2020 Monday	<b>SYSTEM ENDING EXAM</b>	<b>SYSTEM ENDING EXAM</b>	<b>SYSTEM ENDING EXAM</b>	<b>SYSTEM ENDING EXAM</b>	Biochemistry		Biochemistry										
21-1-2020 Tuesday	AN 30.3 Folds of Dura mater Interactive lecture		AN 72.1 Histology: Skin and appendages		Histology practical Batch -A / Dissection - Removal of brain and folds of dura mater			AN 26.5 Tutorial - Atypical cervical vertebrae (SG + DOAP session)				Histology practical Batch - B / Dissection - Removal of brain and folds of dura mater					
22-1-2020 Wednesday	Tubular transport	PY 7.3 Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption & secretion; concentration and diluting mechanism	Cardiac Failure	PY 5.11 Describe the patho-physiology of shock, syncope and heart failure	high altitude physiology III	PY 6.4 Describe and discuss the physiology of high altitude and deep sea diving, PY 6.5 Describe and discuss the principles of artificial respiration, oxygen therapy, acclimatization and decompression sickness.	Somatic Sensation (Pain) (III - Human Anatomy)	PY 10.3 Describe and discuss somatic sensations & sensory tracts	B	Platelet count (VI - Pathology)	PY 2.1.1 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, PY 2.1.3 Describe steps for reticulocyte and platelet count	A	Identification of drugs	PY 3.18 Observe with Computer assisted learning (i) amphibian nerve-muscle experiments (ii) amphibian cardiac experiments	C	Liver Function Tests & Demonstration of Estimation of S. Bilirubin & an assay of ALP	BI6.13 Describe the functions of the kidney, liver, thyroid and adrenal glands, BI6.14, BI6.15, BI11.12 Demonstrate the estimation of serum bilirubin & BI11.14 Demonstrate the estimation of alkaline phosphatase
23-1-2020 Thursday	AN 30.3, 30.4 Dural venous sinuses Interactive lecture		AN 43.4 Embryology: Eye and ear development		Histology practical Batch -C			AN 26.5, 26.7 Tutorial - Typical cervical vertebrae (SG + DOAP session)				Histology practical Batch - D /					

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	Topic	Competency	Topic	Competency	Topic	Competency	Topic	Competency	Batch	Topic of Practical	Competency	Batch	Topic of Practical	Competency	Batch	Topic of Practical	Competency
24-1-2020 Friday	Alcohol Metabolism & Case Discussion	BI7.5 Describe the role of xenobiotics in disease	Pathophysiology of Shock	PY 5.11 Describe the pathophysiology of shock, syncope and heart failure	Pain Pathway	PY 10.3 Describe and discuss somatic sensations & sensory tracts (HI - Human Anatomy)	regulation of respiration	PY 6.3 Describe and discuss the transport of respiratory gases: Oxygen and Carbon dioxide	C	Platelet count (VI : Pathology)	P Y 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, P Y 2.13 Describe steps for reticulocyte and platelet count	B	Identification of drugs	P Y 3.18 Observe with Computer assisted learning (i) amphibian nerve-muscle experiments (ii) amphibian cardiac experiments	A	Liver Function Tests & Demonstration of Estimation of S. Bilirubin & an assay of ALP	BI6.13 Describe the functions of the kidney, liver, thyroid and adrenal glands, BI6.14, BI6.15, BI11.12 Demonstrate the estimation of serum bilirubin & BI11.14 Demonstrate the estimation of alkaline phosphatase
25-1-2020 Saturday	AN 30.1, 30.2, 30.5 Cranial cavity part-2 Interactive lecture (VI-SU) (VI-OP)		Cranial cavity (SG + DOAP session)				AN 26.2 Tutorial - Orbit (SG + DOAP session)										
27-1-2020 Monday	Tubular transport	PY 7.3 Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption & secretion; concentration and diluting mechanism, PY 7.4 Describe & discuss the significance & implication of Renal clearance	Pathophysiology & Management of Shock	PY 5.11 Describe the pathophysiology of shock, syncope and heart failure	DNA Structure & Function	BI7.1 Describe the structure and functions of DNA and RNA and outline the cell cycle.	DNA Structure & Function	BI7.1 Describe the structure and functions of DNA and RNA and outline the cell cycle.	A	Platelet count (VI : Pathology)	P Y 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, P Y 2.13 Describe steps for reticulocyte and platelet count	C	Identification of drugs	P Y 3.18 Observe with Computer assisted learning (i) amphibian nerve-muscle experiments (ii) amphibian cardiac experiments	B	Liver Function Tests & Demonstration of Estimation of S. Bilirubin & an assay of ALP	BI6.13 Describe the functions of the kidney, liver, thyroid and adrenal glands, BI6.14, BI6.15, BI11.12 Demonstrate the estimation of serum bilirubin & BI11.14 Demonstrate the estimation of alkaline phosphatase
28-1-2020 Tuesday	AN 31.1 Orbit-1 Interactive lecture		AN 43.2, 43.3 Histology: Eye, eyelid & lacrimal gland		Histology practical Batch - A / Dissection - Orbit					Tutorial - Midsagittal section of head and neck (SG + DOAP session)			Histology practical Batch - B / Dissection - Orbit				
29-1-2020 Wednesday	Tubular transport	PY 7.3 Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption & secretion; concentration and diluting mechanism, PY 7.4 Describe & discuss the significance & implication of Renal clearance	Tubular transport	PY 7.3 Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption & secretion; concentration and diluting mechanism, PY 7.4 Describe & discuss the significance & implication of Renal clearance	transport of carbon dioxide II	PY 6.3 Describe and discuss the transport of respiratory gases: Oxygen and Carbon dioxide	Pain Suppression System of CNS (HI - Human Anatomy)	PY 10.3 Describe and discuss somatic sensations & sensory tracts, PY 10.6 Describe and discuss Spinal cord, its functions, lesion & sensory disturbances	B	Bleeding time & Clotting time (VI : Pathology)	P Y 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT	A	Effects of ions on frog's heart beat	P Y 3.18 Observe with Computer assisted learning (i) amphibian nerve-muscle experiments (ii) amphibian cardiac experiments	C	Estimation of Total Protein & Albumin	BI11.8 Demonstrate estimation of serum proteins, albumin and AG ratio, BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum & BI11.22 Calculate albumin: globulin (AG)
30-1-2020 Thursday	AN 41.1 to 41.3 Eyeball Interactive lecture (VI-OP)		AN 31.2, 31.3, 31.5 Orbit-2 Interactive lecture (VI-OP)		Histology practical Batch - C / Dissection - Orbit					Tutorial - Pharynx (SG + DOAP session)			Histology practical Batch - D / Dissection - Orbit				
31-1-2020 Friday	DNA Damage repair Mechanism & Related Disorders	BI7.2 Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms.	GI7-Introduction (HI- Human Anatomy)	PY 4.1 Describe the structure and functions of digestive system	Nervous regulation of respiration I	PY 6.5 Describe and discuss the principles of artificial respiration, oxygen therapy, acclimatization and decompression sickness, PY 6.6 Describe and discuss the pathophysiology of dyspnoea, hypoxia, cyanosis asphyxia; drowning, periodic breathing	nervous regulation of respiration II	PY 6.5 Describe and discuss the principles of artificial respiration, oxygen therapy, acclimatization and decompression sickness, PY 6.6 Describe and discuss the pathophysiology of dyspnoea, hypoxia, cyanosis asphyxia; drowning, periodic breathing	C	Bleeding time & Clotting time (VI : Pathology)	P Y 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT	B	Effects of ions on frog's heart beat	P Y 3.18 Observe with Computer assisted learning (i) amphibian nerve-muscle experiments (ii) amphibian cardiac experiments	A	Estimation of Total Protein & Albumin	BI11.8 Demonstrate estimation of serum proteins, albumin and AG ratio, BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum & BI11.22 Calculate albumin: globulin (AG)
1-2-2020 Saturday	AN 36.1, 36.2, 36.4 Mouth, hard & soft palate and pharynx-1 Interactive lecture (VI-EN)		AN 39.1, 39.2 Tongue Interactive lecture (VI-EN)		Tutorial- Midsagittal section of head and neck (SG + DOAP session)		AN 39.1, 39.2 Tutorial - Tongue (SG + DOAP session)										
3-2-2020 Monday	Tubular transport	PY 7.4 Describe & discuss the significance & implication of Renal clearance, PY 7.5 Describe the renal regulation of fluid and electrolytes & acid-base balance	Pathophysiology & Management of Shock II	PY 5.11 Describe the pathophysiology of shock, syncope and heart failure	Discuss the Metabolic Process (Feed & Fed Cycle)	BI6.1 Discuss the metabolic processes that take place in specific organs in the body in the fed and fasting states. (VI - Medicine)	Discuss the Metabolic Process (Feed & Fed Cycle)	BI6.1 Discuss the metabolic processes that take place in specific organs in the body in the fed and fasting states. (VI - Medicine)	A	Bleeding time & Clotting time (VI : Pathology)	P Y 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT	C	Effects of ions on frog's heart beat	P Y 3.18 Observe with Computer assisted learning (i) amphibian nerve-muscle experiments (ii) amphibian cardiac experiments	B	Estimation of Total Protein & Albumin	BI11.8 Demonstrate estimation of serum proteins, albumin and AG ratio, BI11.21 Demonstrate estimation of glucose, creatinine, urea and total protein in serum & BI11.22 Calculate albumin: globulin (AG)

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	Topic	Competency	Topic	Competency	Topic	Competency	Topic	Competency	Batch	Topic of Practical	Competency	Batch	Topic of Practical	Competency	Batch	Topic of Practical	Competency		
4-2-2020 Tuesday	AN 36.3, 36.5 Pharynx-2 Interactive lecture (VI-EN)		AN 43.5, 43.6 Practical: Surafce marking and living anatomy (VI-SU) (SG + DOAP session)						AN 43.5, 43.6 Practical: Surafce marking and living anatomy (VI-SU) (SG + DOAP session)										
5-2-2020 Wednesday	Counter current mechanism	PY 7.3 Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption & secretion; concentration and diluting mechanism, PY 7.4 Describe & discuss the significance & implication of Renal clearance	Counter current mechanism	PY 7.3 Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption & secretion; concentration and diluting mechanism, PY 7.4 Describe & discuss the significance & implication of Renal clearance	chemical regulation of respiration		Deglutition (HI-Biochemistry)	PY 6.6 Describe and discuss the pathophysiology of dyspnoea, hypoxia, cyanosis asphyxia; drowning, periodic breathing	B	Blood groups (VI: Pathology)	P Y 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT	A	Radial pulse examination (VI: General Medicine)	P Y 5.12 Record blood pressure & pulse at rest and in different grades of exercise and postures in a volunteer or simulated environment PY 5.16 Record Arterial pulse tracing using finger plethysmography in a volunteer or simulated environment	C	Estimation of Serum Cholesterol & Demonstration of HDL-C & Triglyceride (Lipid Profile and Interpretation)	BI11.9 Demonstrate the estimation of serum total cholesterol and HDLcholesterol, BI11.10 Demonstrate the estimation of triglycerides & BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions:		
6-2-2020 Thursday	AN 37.1 Cavity of nose Interactive lecture (VI-EN)		AN 37.2, 37.3 Paranasal air sinus Interactive lecture (VI-EN)		Tutorial - Midsagittal section of head and neck (SG + DOAP session)				Tutorial - Midsagittal section of head and neck (SG + DOAP session)										
7-2-2020 Friday	Revision & Problem Solving	Revision & Problem Solving	Saliva ( HI - Biochemistry)	PY 4.2 Describe the composition, mechanism of secretion, functions, and regulation of saliva, gastric, pancreatic, intestinal juices and bile secretion	Introduction of Motor system ( HI - Human Anatomy)		hypoxia	PY 10.4 Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus	C	Blood groups (VI: Pathology)	P Y 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT	B	Radial pulse examination (VI: General Medicine)	P Y 5.12 Record blood pressure & pulse at rest and in different grades of exercise and postures in a volunteer or simulated environment PY 5.16 Record Arterial pulse tracing using finger plethysmography in a volunteer or simulated environment	A	Estimation of Serum Cholesterol & Demonstration of HDL-C & Triglyceride (Lipid Profile and Interpretation)	BI11.9 Demonstrate the estimation of serum total cholesterol and HDLcholesterol, BI11.10 Demonstrate the estimation of triglycerides & BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions:		
8-2-2020 Saturday	AN 38.1 to 38.3 Larynx Interactive lecture (VI-EN)		Tutorial - Larynx (SG + DOAP session)																
10-2-2020 Monday	Renal function tests (HI - Biochemistry)	PY 7.8 Describe & discuss Renal Function Tests, PY 7.9 Describe cystometry and discuss the normal cystometrogram	Physiological Anatomy & Functions of Spinal cord (HI - Human Anatomy)	PY 10.6 Describe and discuss Spinal cord, its functions, lesion & sensory disturbances	Electron Transport Chain		BH6.6 Describe the biochemical processes involved in generation of energy in cells.		BH6.6 Describe the biochemical processes involved in generation of energy in cells.	A	Blood groups (VI: Pathology)	P Y 2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT	C	Radial pulse examination (VI: General Medicine)	P Y 5.12 Record blood pressure & pulse at rest and in different grades of exercise and postures in a volunteer or simulated environment PY 5.16 Record Arterial pulse tracing using finger plethysmography in a volunteer or simulated environment	B	Estimation of Serum Cholesterol & Demonstration of HDL-C & Triglyceride (Lipid Profile and Interpretation)	BI11.9 Demonstrate the estimation of serum total cholesterol and HDLcholesterol, BI11.10 Demonstrate the estimation of triglycerides & BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions:	
11-2-2020 Tuesday	AN 40.1, 40.2, 40.4, 40.5 Ear (External and Middle) Interactive lecture (VI-EN)		AN 40.3, 43.2, 43.3 Histology: Internal ear (VI-EN)		Histology practical Batch - A & B / AN 43.7 to 43.9 Radiology of head and neck (VI-RA) (SG + DOAP session)														
12-2-2020 Wednesday	Revision 1-75 physiology								B	History Taking & General examination	P Y 11.13 Obtain history and perform general examination in the volunteer / simulated environment	A	Blood pressure measurement 1	P Y 5.12 Record blood pressure & pulse at rest and in different grades of exercise and postures in a volunteer or simulated environment PY	C	Demonstration of estimation of Calcium & Phosphorus	BI11.11 Demonstrate estimation of calcium and phosphorus		
13-2-2020 Thursday	Revision of head and neck																		
14-2-2020 Friday	Revision 76-150 physiology								C	History Taking & General examination	P Y 11.13 Obtain history and perform general examination in the volunteer / simulated environment	B	Blood pressure measurement 1	P Y 5.12 Record blood pressure & pulse at rest and in different grades of exercise and postures in a volunteer or simulated environment	A	Demonstration of estimation of Calcium & Phosphorus	BI11.11 Demonstrate estimation of calcium and phosphorus		
15-2-2020 Saturday	<b>AETCOM 1.3 / Part 1</b>																		
17-02-2020 to 28-02-2020	<b>1st Internal Examination</b>																		
2-3-2020 Monday	Micturition	PY 7.6 Describe the innervations of urinary bladder, physiology of micturition and its abnormalities, PY 7.9 Describe cystometry and discuss the normal cystometrogram	Dialysis (HI - General Medicine)	PY 7.7 Describe artificial kidney, dialysis and renal transplantation	RNA Structure and Function		BH7.1 Describe the structure and functions of DNA and RNA and outline the cell cycle.		Transcription & Post-Transcriptional modification	BH7.2 Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms.	A	History Taking & General examination	P Y 11.13 Obtain history and perform general examination in the volunteer / simulated environment	C	Blood pressure measurement 1	P Y 5.12 Record blood pressure & pulse at rest and in different grades of exercise and postures in a volunteer or simulated environment	B	Demonstration of estimation of Calcium & Phosphorus	BI11.11 Demonstrate estimation of calcium and phosphorus

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	Tonic	Competency	Tonic	Competency	Tonic	Competency	Tonic	Competency	Batch	Tonic of Practical	Competency	Batch	Tonic of Practical	Competency	Batch	Tonic of Practical	Competency
3-3-2020 Tuesday	AN 57.1, 57.2, 57.3, 56.1 External Features of Spinal cord & gray matter Interactive lecture (H-PY) (VI-IM)		AN 57.4 Spinal cord - 2 White Matter Interactive lecture (H-PY) (VI-IM)		Tutorial- External features of spinal cord (SG + DOAP session)				Tutorial - Coverings of spinal cord (SG + DOAP session)			Tutorial - External features of spinal cord (SG + DOAP session)					
4-3-2020 Wednesday	hypoxia & abnormal breathing	PY 6.6 Describe and discuss the pathophysiology of dyspnoea, hypoxia, cyanosis asphyxia; drowning, periodic breathing	De-glutition (H - Biochemistry)	PY 4.2 Describe the composition, mechanism of secretion, functions, and regulation of saliva, gastric, pancreatic, intestinal juices and bile secretion	Apply aspects - Spinal cord (H - Human Anatomy)	PY 10.6 Describe and discuss Spinal cord, its functions, lesion & sensory disturbances			B	Thermometry	PY 11.1 Describe and discuss mechanism of temperature regulation	A	Blood pressure measurement 2	P Y 5.14 Observe cardiovascular autonomic function tests in a volunteer or simulated environment	C	Gout & Estimation of Uric Acid	BI6.4 Discuss the laboratory results of analytes associated with gout & Lesch Nyhan syndrome. & BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions:
5-3-2020 Thursday	AN 57.5 Spinal cord - 3 Blood supply and applied Interactive lecture (H-PY) (VI-IM)		AN 64.2 Embryology lecture - development of nervous system - 1		Tutorial - Clinical aspects of spinal cord (SG + DOAP session)				AN 58.1, 59.1 External features of Medulla oblongata and Pons Interactive lecture (SG + DOAP session) (H-PY)			Tutorial - Medulla oblongata (SG + DOAP session)					
6-3-2020 Friday	Arginine & NO Synthase	BI5.4 Describe common disorders associated with protein metabolism & BI5.5 Interpret laboratory results of analytes associated with metabolism of proteins. (VI - Pediatric)	De-glutition (H - Biochemistry)	PY 4.2 Describe the composition, mechanism of secretion, functions, and regulation of saliva, gastric, pancreatic, intestinal juices and bile secretion	introduction to endocrine system	PY 8.2 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus	Pyramidal system (H - Human Anatomy)	PY 10.4 Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus	C	Thermometry	PY 11.1 Describe and discuss mechanism of temperature regulation	B	Blood pressure measurement 2	P Y 5.14 Observe cardiovascular autonomic function tests in a volunteer or simulated environment	A	Gout & Estimation of Uric Acid	BI6.4 Discuss the laboratory results of analytes associated with gout & Lesch Nyhan syndrome. & BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions:
7-3-2020 Saturday	AN 58.2 to 58.4 Internal features and clinical aspects of medulla oblongata Interactive lecture (H-PY) (VI-IM)		AN 59.2, 59.3 Internal features and clinical aspects of Pons Interactive lecture (H-PY) (VI-IM)		Tutorial - Pons (SG + DOAP session)												
9-3-2020 Monday	Pyramidal system (H - Human Anatomy)	PY 10.4 Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus	mechanism of hormonal action	PY 6.6 Describe the mechanism of action of steroid, protein and amine hormones	Genetic Code	BI7.2 Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms.	Translation and Post Translational Modifications	BI7.2 Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms.	A	Thermometry	PY 11.1 Describe and discuss mechanism of temperature regulation	C	Blood pressure measurement 2	P Y 5.14 Observe cardiovascular autonomic function tests in a volunteer or simulated environment	B	Gout & Estimation of Uric Acid	BI6.4 Discuss the laboratory results of analytes associated with gout & Lesch Nyhan syndrome. & BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions:
10-3-2020 Tuesday	AN 60.1, 61.1 External features of midbrain and cerebellum Interactive lecture		AN 64.1 Histology: Central nervous system		Histology practical Batch - A / Tutorial - Midbrain (SG + DOAP session)				AN 63.1 Tutorial - Fourth ventricle (SG + DOAP session) (H-PY)			Histology practical Batch - B / Tutorial - Midbrain (SG + DOAP session)					
11-3-2020 Wednesday	Stomach Physiological Anatomy (H - Biochemistry, Anatomy)	PY 4.2 Describe the composition, mechanism of secretion, functions, and regulation of saliva, gastric, pancreatic, intestinal juices and bile secretion, PY 4.3 Describe GIT movements, regulation and functions. Describe defecation reflex. Explain role of dietary fibre.	Introduction to special senses & physiology of eye, including colour vision, refractive errors, colour blindness, physiology of pupil and light reflex	PY 10.17 Describe and discuss functional anatomy of eye, physiology of vision including colour vision, refractive errors, colour blindness, physiology of pupil and light reflex	anterior pituitary hormones	PY 8.2 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus	seminar by students	all teachers	B	Electrocardiography (VI - General Medicine)	PY 5.13 Record and interpret normal ECG in a volunteer or simulated environment	A	Cardiac efficiency tests 1	P Y 3.15 Demonstrate effect of mild, moderate and severe exercise and record changes in cardiorespiratory parameters	C	Iron Metabolism	BI6.10 Enumerate and describe the disorders associated with mineral metabolism.
12-3-2020 Thursday	AN 61.2, 61.3 Internal features and clinical aspects of Midbrain Interactive lecture (H-PY) (VI-IM)		AN 62.1 Cranial nerve nuclei and their functional components Interactive lecture		Histology practical Batch - C				Tutorial - Cerebellum (SG + DOAP session)			Histology practical Batch - D					

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13-3-2020 Friday	Mutation	B17.3 Describe gene mutations and basic mechanism of regulation of gene expression. (VI- Pediatric)	Pyramidal system- applied ( HI- Human Anatomy)	PT 10.4 Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus	Stomach Physiological Anatomy (HI- Biochemistry, Anatomy)	PY 4.2 Describe the composition, mechanism of secretion, functions, and regulation of saliva, gastric, pancreatic, intestinal juices and bile secretion, PY 4.3 Describe GIT movements, regulation and functions. Describe defecation reflex. Explain role of dietary fibre.	physiology of growth	PY 8.2 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus	C	Electrocardiography (VI- General Medicine)	PY 5.13 Record and interpret normal ECG in a volunteer or simulated environment	B	Cardiac efficiency tests 1	PY 3.15 Demonstrate effect of mild, moderate and severe exercise and record changes in cardiorespiratory parameters	A	Iron Metabolism	B16.10 Enumerate and describe the disorders associated with mineral metabolism.	
14-3-2020 Saturday	AN 60.2, 60.3 Internal features and clinical aspects of Cerebellum Interactive lecture		AN 63.1, 62.2 External features of Cerebrum & 3rd Ventricular (HI-PY)		Tutorial- Cerebrum (SG + DOAP session)													
16-3-2020 Monday	extra pyramidal system ( HI - Human Anatomy)	PY 10.4 Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus	applied- anterior pituitary	PY 8.2 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus	Aromatic Amino acid Metabolism	B15.4 Describe common disorders associated with protein metabolism, & B15.5 Interpret laboratory results of analytes associated with metabolism of proteins. (VI- Pediatric)	Aromatic Amino acid Metabolism	B15.4 Describe common disorders associated with protein metabolism, & B15.5 Interpret laboratory results of analytes associated with metabolism of proteins. (VI- Pediatric)	A	Electrocardiography (VI- General Medicine)	PY 5.13 Record and interpret normal ECG in a volunteer or simulated environment	C	Cardiac efficiency tests 1	PY 3.15 Demonstrate effect of mild, moderate and severe exercise and record changes in cardiorespiratory parameters	B	Iron Metabolism	B16.10 Enumerate and describe the disorders associated with mineral metabolism.	
17-3-2020 Tuesday	AN 62.2 Functional areas of cerebrum Interactive lecture (HI-PY) (VI-IM)		AN 63.2, 63.1, 63.2 lateral ventricle, CSF circulation and its clinical aspects Interactive lecture (HI-PY) (VI-PE)		Tutorial - 3rd ventricle (SG + DOAP session)				Tutorial - CSF formation & circulation (SG + DOAP session)				Tutorial - lateral ventricle / coronal sections of brain (SG + DOAP session)					
18-3-2020 Wednesday	Stomach 3	PY 4.3 Describe GIT movements, regulation and functions. Describe defecation reflex. Explain role of dietary fibre. PY 4.9 Discuss the physiology aspects of peptic ulcer, gastroesophageal reflux disease, vomiting, diarrhoea, constipation, Adynamic ileus, Hirschsprung's disease	Optics of eye & refractive errors	PY 10.17 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. (VI- Ophthalmology)	posterior pituitary hormones	PY 8.2 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus	seminar by students	all teachers	B	Spirometry (VI- Respiratory Medicine)	PY 6.8 Demonstrate the correct technique to perform & interpret Spirometry	A	Cardiac efficiency tests 2	PY 3.16 Demonstrate Harvard Step test and describe the impact on induced physiologic parameters in a simulated environment	C	Haem Synthesis & Porphyrria	B16.11 Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin metabolism.	
19-3-2020 Thursday	AN 62.3, 62.6 White matter of cerebrum, blood supply and clinical aspect of cerebrum Interactive lecture (HI-PY) (VI-IM)		AN 64.2, 64.3 Embryology - development of nervous system - 2. Neural tube defects Interactive lecture (VI- OC)		Tutorial - Mid-sagittal section of brain (SG + DOAP session)				Tutorial - Base of brain & Circle of Willis (SG + DOAP session)				Tutorial - Horizontal section of brain showing basal ganglia (nuclei) (SG + DOAP session)					
20-3-2020 Friday	Gene Expression	B17.3 Describe gene mutations and basic mechanism of regulation of gene expression. (VI- Pediatric)	Muscle spindle ( HI- Human Anatomy)	PT 10.4 Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus	Pancreas	PY 4.5 Describe the source of GIT hormones, their regulation and functions	diabetes insipidus & other applied physiology of post pituitary		PY 8.2 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus	C	Spirometry (VI- Respiratory Medicine)	PY 6.8 Demonstrate the correct technique to perform & interpret Spirometry	B	Cardiac efficiency tests 2	PY 3.16 Demonstrate Harvard Step test and describe the impact on induced physiologic parameters in a simulated environment	A	Haem Synthesis & Porphyrria	B16.11 Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin metabolism.

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21-3-2020 Saturday	AN 62.5 Thalamus and metathalamus Interactive lecture (HI-PY) (VI-IM)		AN 62.5 Hypothalamus and epiphthalmus Interactive lecture (HI-PY) (VI-IM)		AN 56.2, 63.1, 63.2 Optic pathway and its clinical aspect (HI-PY) (VI-OP)		Tutorial - Diencephalon (SG + DOAP session)										
23-3-2020 Monday	Muscle spindle ( HI - Human Anatomy)	PY 10.4 Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus	thyroid hormones synthesis, func., metabolism (HI - Biochemistry)		Biochemistry		Biochemistry		A	Spirometry (VI - Respiratory Medicine)	P Y 6.8 Demonstrate the correct technique to perform & interpret Spirometry	C	Cardiac efficiency tests 2	P Y 3.16 Demonstrate Harvard Step test and describe the impact on induced physiologic parameters in a simulated environment	B	Haem Synthesis & Porphyrin	BI6.11 Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin metabolism.
24-3-2020 Tuesday	AN 62.4 Basal ganglia Interactive lecture (HI-PY)		AN 62.4 Limbic system and olfactory pathway Interactive lecture (HI - PY)		Revision of Neuroanatomy												
25-3-2020 Wednesday	Liver (HI - Biochemistry)	PY 4.7 Describe & discuss the structure and functions of liver and gall bladder; PY 4.8 Describe & discuss gastric function tests, pancreatic exocrine function tests & liver function tests	Photochemistry of vision & colour vision (VI - Ophthalmology)	PY 10.17 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	thyroid gland - applied (HI - Biochemistry)		thyroid gland; Adrenal cortex, Adrenal medulla and pancreas	seminar by students	B	Respiratory efficiency tests (VI - Respiratory Medicine)	P Y 6.10 Demonstrate the correct technique to perform measurement of peak expiratory flow rate in a normal volunteer or simulated environment	A	Artificial respiration (VI - General Medicine, Anaesthesiology)	P Y 11.14 Demonstrate Basic Life Support in a simulated environment	C	Thyroid Function Tests	BI6.13 Describe the functions of the kidney, liver, thyroid and adrenal glands. BI6.14 Describe the tests that are commonly done in clinical practice to assess the functions of these organs (kidney, liver, thyroid and adrenal glands). & BI6.15
26-3-2020 Thursday	Neuroanatomy - part ending theory exam				Neuroanatomy - part ending practical exam												
27-3-2020 Friday	Cell Cycle	BI7.1 Describe the structure and functions of DNA and RNA and outline the cell cycle.	Golgi tendon organ (HI - Human Anatomy)	PY 10.4 Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus	Gall Bladder & Biliary System		parathyroid gland - synthesis, func. of parathormone (HI - Biochemistry)	parathyroid gland - synthesis, func. of parathormone (HI - Biochemistry)	C	Respiratory efficiency tests (VI - Respiratory Medicine)	P Y 6.10 Demonstrate the correct technique to perform measurement of peak expiratory flow rate in a normal volunteer or simulated environment	B	Artificial respiration (VI - General Medicine, Anaesthesiology)	P Y 11.14 Demonstrate Basic Life Support in a simulated environment	A	Thyroid Function Tests	BI6.13 Describe the functions of the kidney, liver, thyroid and adrenal glands. BI6.14 Describe the tests that are commonly done in clinical practice to assess the functions of these organs (kidney, liver, thyroid and adrenal glands). & BI6.15
28-3-2020 Saturday	AETCOM 1.3 / Part 2																
30-3-2020 Monday	Golgi tendon organ (HI - Human Anatomy)	PY 10.4 Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus	calcium metabolism	PY 8.1 Describe the physiology of bone and calcium metabolism					A	Respiratory efficiency tests (VI - Respiratory Medicine)	P Y 6.10 Demonstrate the correct technique to perform measurement of peak expiratory flow rate in a normal volunteer or simulated environment	C	Artificial respiration (VI - General Medicine, Anaesthesiology)	P Y 11.14 Demonstrate Basic Life Support in a simulated environment	B	Thyroid Function Tests	BI6.13 Describe the functions of the kidney, liver, thyroid and adrenal glands. BI6.14 Describe the tests that are commonly done in clinical practice to assess the functions of these organs (kidney, liver, thyroid and adrenal glands). & BI6.15
31-3-2020 Tuesday	AN 21.3, 21.10 Introduction of thorax, Intercostal space-1 Interactive lectures		AN 25.3 Embryology - Respiratory system		Dissection: thoracic wall					AN 21.1 Tutorial - Thoracic cage, Sternum (SG + DOAP session)			Dissection: thoracic wall				
1-4-2020 Wednesday	Small Intestine	PY 4.3 Describe GIT movements, regulation and functions. Describe defecation reflex. Explain role of dietary fibre, PY 4.4 Describe the physiology of digestion and absorption of nutrients	Visual pathway & visual cortex (VI - Ophthalmology)	PY 10.17 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	applied - parathyroid gland (HI - Biochemistry)		thyroid gland; Adrenal cortex, Adrenal medulla and pancreas	seminar by students	B	Pressure & volume changes during cardiac cycle	P Y 5.3 Discuss the events occurring during the cardiac cycle	A	Clinical examination of CVS	P Y 5.15 Demonstrate the correct clinical examination of the cardiovascular system in a normal volunteer or simulated environment	C	PEM	BI6.2 Describe the types and causes of protein energy malnutrition and its effect

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2-4-2020 Thursday	AN 21.4 to 21.9 Intercostal space-2 & Respiratory movements Interactive lecture (HI-PY)		AN 25.2, 25.4, 25.5 Embryology - CVS 1 (Introduction and atria) (HI-PY) (VI-IM) (VI-PE)		Dissection: thoracic wall				AN 21.1, 21.2 Tutorial - Typical and atypical ribs (SG + DOAP session)			Dissection: thoracic wall						
3-4-2020 Friday	Xenobiotics	BI7.5 Describe the role of xenobiotics in disease	Tone, Posture, Equilibrium	PI 10.4 Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus (HI - Human Anatomy)	Small Intestine	PI 4.3 Describe GIT movements, regulation and functions. Describe defecation reflex. Explain role of dietary fibre, PY 4.4 Describe the physiology of digestion and absorption of nutrients	Physiology of Thymus & Pineal gland	PY 8.3 Describe the physiology of Thymus & Pineal Gland	C	Pressure & volume changes during cardiac cycle	P Y 5.3 Discuss the events occurring during the cardiac cycle	B	Clinical examination of CVS	P Y 5.15 Demonstrate the correct clinical examination of the cardiovascular system in a normal volunteer or simulated environment	A	PEM	BI8.2 Describe the types and causes of protein energy malnutrition and its effect	
4-4-2020 Saturday	AN 21.11, 23.3, 24.4 Mediastinum, Azygos venous system, phrenic nerve Interactive lecture		AN 24.1 Pleura & Pleural cavity Interactive lecture (HI-PY) (VI-IM)		AN 21.8, 21.9 Respiratory movements mechanics on thoracic cage (SG + DOAP session) (HI-PY)													
6-4-2020 Monday	MAHAVIR JAVANTI																	
7-4-2020 Tuesday	AN 24.2, 24.3, 24.5 Lungs Interactive lecture (HI-PY) (VI-IM)		AN 25.1 Histology: Respiratory system		Histology practical Batch - A / Lungs (SDL)				Tutorial - Lungs (SG + DOAP session)			Histology practical Batch - B / Lungs (SDL)						
8-4-2020 Wednesday	Tone, Posture Equilibrium (HI - Human Anatomy)	PY 10.4 Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus	Large Intestine	PY 4.3 Describe GIT movements, regulation and functions. Describe defecation reflex. Explain role of dietary fibre, PY 4.4 Describe the physiology of digestion and absorption of nutrients	Visual pathway & visual cortex (VI - Ophthalmology)	PY 10.17 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			A	Pressure & volume changes during cardiac cycle	P Y 5.3 Discuss the events occurring during the cardiac cycle	C	Clinical examination of CVS	P Y 5.15 Demonstrate the correct clinical examination of the cardiovascular system in a normal volunteer or simulated environment	B	PEM	BI8.2 Describe the types and causes of protein energy malnutrition and its effect	
9-4-2020 Thursday	AN 22.1, 22.2 Pericardium & Heart 1 Interactive lecture (HI-PY)		AN 25.2, 25.4, 25.5 Embryology - CVS 2 (Ventricles) (HI-PY) (VI-IM) (VI-PE)		Histology practical Batch - C / Heart (SDL)				Tutorial - Heart (External features) (SG + DOAP session)			Histology practical Batch - D / Heart (SDL)						
10-4-2020 Friday	GOOD FRIDAY																	
11-4-2020 Saturday	AN 22.3 to 22.7 Heart-2 Interactive lecture (HI-PY) (VI-IM)		AN 25.6 Embryology - CVS 3 (Aortic arches and arteries)		Tutorial - Heart (Internal features) (SG + DOAP session)													
13-4-2020 Monday	Postural Reflexes (HI - Human Anatomy)	PY 10.4 Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus	Physiological Anatomy of Cerebellum (HI - Human Anatomy) (VI - Psychiatry)	PY 10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities	Recombinant DNA Technology	BI7.4 Describe applications of molecular technologies like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis (VI - Pediatric & G- Medicine)	Recombinant DNA Technology	BI7.4 Describe applications of molecular technologies like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis (VI - Pediatric & G- Medicine)	B	02-C02 dissociation curve	P Y 6.3 Describe and discuss the transport of respiratory gases: Oxygen and Carbon dioxide	A	clinical examination of respiratory system	P Y 6.9 Demonstrate the correct clinical examination of the respiratory system in a normal volunteer or simulated environment	C	BMR, BMI, Glycemic Index, SDA, Dietary fibre	BI8.1 Discuss the importance of various dietary components and explain importance of dietary fibre. BI11.23 Calculate energy content of different food items, identify food items with high and low glycemic index and explain the importance of these in the diet	
14-4-2020 Tuesday	AN 23.3, 23.4 SVC, Aorta, Pulmonary trunk and thymus Interactive lecture		AN 25.3, 25.6 Embryology - CVS 4 (Veins) & Foetal circulation (HI-PY) (VI-IM)		Dissection: Superior thoracic mediastinum				AN 21.1, 21.2 Tutorial - Thoracic vertebra (SG + DOAP session)			Dissection: Inferior mediastinum						



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15-4-2020 Wednesday	Large Intestine - Motility, Defecation & Applied	PY 4.3 Describe GIT movements, regulation and functions. Describe defecation reflex. Explain role of dietary fibre, PY 4.9 Discuss the physiology aspects of peptic ulcer, gastroesophageal reflux disease, vomiting, diarrhoea, constipation, Adynamic ileus, Hirschsprung's disease	Processing of visual image (VI - Ophthalmology)	PY 10.17 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, PY 10.19 Describe and discuss auditory & visual evoke potentials	Visual pathway & visual cortex (VI - Ophthalmology)	PY 10.17 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, PY 10.18 Describe and discuss the physiological basis of lesion in visual pathway	Seminar by students	All teachers	C	02-C02 dissociation curve	PY 6.3 Describe and discuss the transport of respiratory gases: Oxygen and Carbon dioxide	B	clinical examination of respiratory system	PY 6.9 Demonstrate the correct clinical examination of the respiratory system in a normal volunteer or simulated environment	A	BMR, BMI, Glycemic Index, SDA, Dietary fibre	BIB.1 Discuss the importance of various dietary components and explain importance of dietary fibre. BIB.1.23 Calculate energy content of different food items, identify food items with high and low glycemic index and explain the importance of these in the diet
16-4-2020 Thursday	AN 24.6, 23.1, 23.2, 23.5 to 23.7 Trachea, Oesophagus, Thoracic duct, Thoracic sympathetic chain and sympathetic nerves Interactive lecture (VI-SH)		AN 25.2 Embryology - Coelomic cavity and diaphragm		AN 25.9 Tutorial - Surface Marking (SG + DOAP session) (H-PY) (VI-IM) (VI-PE)				AN 25.7, 25.8 Tutorial - X-ray, barium swallow (SG + DOAP session) (VI-IM) (VI-RA)								
17-4-2020 Friday	PCR	B17.4 Describe applications of molecular technologies like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis. (VI - Pediatric & G-Medicine)	Enteric nervous system	PY 4.6 Describe the Gut-Brain Axis	connections of cerebellum (H - Human Anatomy) (VI - Psychiatry)	Absorption from GIT	PY 4.4 Describe the physiology of digestion and absorption of nutrients	A	02-C02 dissociation curve	PY 6.3 Describe and discuss the transport of respiratory gases: Oxygen and Carbon dioxide	C	clinical examination of respiratory system	PY 6.9 Demonstrate the correct clinical examination of the respiratory system in a normal volunteer or simulated environment	B	BMR, BMI, Glycemic Index, SDA, Dietary fibre	BIB.1 Discuss the importance of various dietary components and explain importance of dietary fibre. BIB.1.23 Calculate energy content of different food items, identify food items with high and low glycemic index and explain the importance of these in the diet	
18-4-2020 Saturday	AN 47.13, 47.14, 52.5 Thoracoabdominal diaphragm (VI-SH)		Revision of thorax														
20-4-2020 Monday	female reproductive anatomy	PY 9.4 Describe female reproductive system: (a) functions of ovary and its control; (b) menstrual cycle - hormonal, uterine and ovarian changes	Functions & Lesions of cerebellum (H - Human Anatomy) (VI - Psychiatry)	PY 10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities	Blot Technique	Gene Therapy	B17.4 Describe applications of molecular technologies like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis.	B	Sensory system examination	PY 10.11 Demonstrate the correct clinical examination of the nervous system: Higher functions, sensory system, motor system, reflexes, cranial nerves in a normal volunteer or simulated environment	A	clinical examination of abdomen	PY 4.10 Demonstrate the correct clinical examination of the abdomen in a normal volunteer or simulated environment	C	Revision	Revision	
21-4-2020 Tuesday	AN 44.1, 44.2, 44.6, 44.7 Introduction of abdomen and Anterior abdominal wall-1 Interactive lecture (VI-SH)		AN 73.1 to 73.3 Genetics - 1 Interactive lecture		Dissection: Anterior abdominal wall				AN 14.1, 14.2 Tutorial - Hip bone (Abdominal attachments) (SG + DOAP session)			Dissection: Anterior abdominal wall					
22-4-2020 Wednesday	oogenesis	PY 9.4 Describe female reproductive system: (a) functions of ovary and its control; (b) menstrual cycle - hormonal, uterine and ovarian changes	Introduction to ear, functions of external & middle ear (VI - ENT)	PY 10.15 Describe and discuss functional anatomy of ear and auditory pathways & physiology of hearing	Physiological Anatomy of Basal Ganglia (H - Human Anatomy) (VI - Psychiatry)	Introduction - Reproductive system	PY 9.1 Describe and discuss sex determination; sex differentiation and their abnormalities and outline psychiatric and practical implication of sex determination.	C	Sensory system examination	PY 10.11 Demonstrate the correct clinical examination of the nervous system: Higher functions, sensory system, motor system, reflexes, cranial nerves in a normal volunteer or simulated environment	B	clinical examination of abdomen	PY 4.10 Demonstrate the correct clinical examination of the abdomen in a normal volunteer or simulated environment	A	Revision	Revision	
23-4-2020 Thursday	AN 44.3 Anterior abdominal wall-2 & Rectus Sheath Interactive lecture (VI-SH)		AN 74.1 Genetics - 2 Interactive lecture (VI-IM) (VI-PE)		Dissection: Anterior abdominal wall & rectus sheath				Tutorial - Testis (SG + DOAP session)			Dissection: Anterior abdominal wall & rectus sheath					



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11-5-2020 Monday	Contraception (VI-OBGY), Comm. Medicine	PY 9.7 Describe and discuss the effects of removal of gonads on physiological functions PY 9.6 Enumerate the contraceptive methods for male and female. Discuss their advantages & disadvantages	Physiological Anatomy of Hypothalamus (III - Human Anatomy) (VI - Psychiatry)	PY 10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities	Diabetes Mellitus Classification, Insulin functions	BI3.8 Discuss and interpret laboratory results of analytes associated with metabolism of carbohydrates. BI3.9 Discuss the mechanism and significance of blood glucose regulation in health and disease & BI3.10 Interpret the results of blood glucose levels and other laboratory investigations related to disorders of carbohydrate metabolism. (VI- Pediatric & G- Medicine)	Complication of DM & Role of Laboratory In DM	BI3.8 Discuss and interpret laboratory results of analytes associated with metabolism of carbohydrates. BI3.9 Discuss the mechanism and significance of blood glucose regulation in health and disease & BI3.10 Interpret the results of blood glucose levels and other laboratory investigations related to disorders of carbohydrate metabolism. (VI- Pediatric & G- Medicine)	B	Visual acuity & color vision (VI: Ophthalmology)	PY 10.11 Demonstrate the correct clinical examination of the nervous system: Higher functions, sensory system, motor system, reflexes, cranial nerves in a normal volunteer P Y 10.20 Demonstrate (i) Testing of visual acuity colour and field of vision and (ii) hearing (iii) Testing for smell and (iv) taste sensation in volunteer/ simulated environment	A	motor system examination 2 (VI - General Medicine)	PY 10.11 Demonstrate the correct clinical examination of the nervous system: Higher functions, sensory system, motor system, reflexes, cranial nerves in a normal volunteer P Y 10.20 Demonstrate (i) Testing of visual acuity colour and field of vision and (ii) hearing (iii) Testing for smell and (iv) taste sensation in volunteer/ simulated environment	C	Obesity & Over Weight	BBR 4 Describe the causes (including dietary habits), effects and health risks associated with being overweight/ obesity.
12-5-2020 Tuesday	AN 47.1, 47.3, 47.4 Peritoneum-2 Interactive lecture (VI-SU)		AN 52.1, 52.3 Histology: GIT-1		Histology practical Batch - A / Dissection: Coeliac trunk			Tutorial - Spleen (SG + DOAP session)				Histology practical Batch - B / Dissection: Coeliac trunk					
13-5-2020 Wednesday	Physiology of pregnancy-1. (VI-OBGY)	PY 9.8 Describe and discuss the physiology of pregnancy, parturition & lactation and outline the psychology and psychiatry-disorders associated with it.	Physiology of pregnancy-2. (VI-OBGY)	PY 9.8 Describe and discuss the physiology of pregnancy, parturition & lactation and outline the psychology and psychiatry-disorders associated with it.	Sleep (VI - Psychiatry)	PY 10.8 Describe and discuss behavioural and EEG characteristics during sleep and mechanism responsible for its production	Male reproductive system- applied (VI -OBGY)	C	Visual acuity & color vision (VI: Ophthalmology)	PY 10.11 Demonstrate the correct clinical examination of the nervous system: Higher functions, sensory system, motor system, reflexes, cranial nerves in a normal volunteer P Y 10.20 Demonstrate (i) Testing of visual acuity colour and field of vision and (ii) hearing (iii) Testing for smell and (iv) taste sensation in volunteer/ simulated environment	B	motor system examination 2 (VI - General Medicine)	PY 10.11 Demonstrate the correct clinical examination of the nervous system: Higher functions, sensory system, motor system, reflexes, cranial nerves in a normal volunteer P Y 10.20 Demonstrate (i) Testing of visual acuity colour and field of vision and (ii) hearing (iii) Testing for smell and (iv) taste sensation in volunteer/ simulated environment	A	Obesity & Over Weight	BBR 4 Describe the causes (including dietary habits), effects and health risks associated with being overweight/ obesity.	
14-5-2020 Thursday	AN 47.5, 47.6 Stomach and Spleen Interactive lecture (VI-SU)		AN 52.6 Embryology - GIT-2 (VI-SU)		Histology practical Batch - C / Dissection: Superior mesenteric artery			Tutorial - Small intestine (SG + DOAP session)				Histology practical Batch - D / Dissection: Superior mesenteric artery					
15-5-2020 Friday	Environmental Pollutant	BI7.5 Describe the role of xenobiotics in disease	Applied - Female reproductive system	PY 9.10 Discuss the physiological basis of various pregnancy tests, PY 9.11 Discuss the hormonal changes and their effects during perimenopause and menopause, PY 9.12 Discuss the common causes of infertility in a couple and role of IVF in managing a case of infertility.	Cerebrospinal fluid	PY 10.8 Describe and discuss behavioural and EEG characteristics during sleep and mechanism responsible for its production (VI - Psychiatry)	Contraception (VI-OBGY), Comm. Medicine	A	Visual acuity & color vision (VI: Ophthalmology)	PY 10.11 Demonstrate the correct clinical examination of the nervous system: Higher functions, sensory system, motor system, reflexes, cranial nerves in a normal volunteer P Y 10.20 Demonstrate (i) Testing of visual acuity colour and field of vision and (ii) hearing (iii) Testing for smell and (iv) taste sensation in volunteer/ simulated environment	C	motor system examination 2 (VI - General Medicine)	PY 10.11 Demonstrate the correct clinical examination of the nervous system: Higher functions, sensory system, motor system, reflexes, cranial nerves in a normal volunteer P Y 10.20 Demonstrate (i) Testing of visual acuity colour and field of vision and (ii) hearing (iii) Testing for smell and (iv) taste sensation in volunteer/ simulated environment	B	Obesity & Over Weight	BBR 4 Describe the causes (including dietary habits), effects and health risks associated with being overweight/ obesity.	
16-5-2020 Saturday	AN 47.5, 47.6 Small Intestine Interactive lecture (VI-SU)		AN 75.1 Genetics - 4 Interactive lecture (VI-PH)		Tutorial - Large intestine (SG + DOAP session)												
18-5-2020 Monday	Introduction to ear, functions of external & middle ear (VI-ENT)	PY 10.15 Describe and discuss functional anatomy of ear and auditory pathways & physiology of hearing	Physiology of hearing & auditory pathway (VI - ENT)	PY 10.16 Describe and discuss pathophysiology of deafness. Describe hearing tests PY 10.19 Describe and discuss auditory & visual evoke potentials	Water and Electrolyts Imbalance	BI6.7 Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these. (VI G- Medicine& III PY)	Water and Electrolyts Imbalance	B	Perimetry (VI: Ophthalmology)	PY 10.11 Demonstrate the correct clinical examination of the nervous system: Higher functions, sensory system, motor system, reflexes, cranial nerves in a normal volunteer P Y 10.20 Demonstrate (i) Testing of visual acuity colour and field of vision and (ii) hearing (iii) Testing for smell and (iv) taste sensation in volunteer/ simulated environment	A	Reflex examination	PY 10.11 Demonstrate the correct clinical examination of the nervous system: Higher functions, sensory system, motor system, reflexes, cranial nerves in a normal volunteer P Y 10.20 Demonstrate (i) Testing of visual acuity colour and field of vision and (ii) hearing (iii) Testing for smell and (iv) taste sensation in volunteer/ simulated environment	C	Trace elements (Minerals - copper, zinc, selenium)	BI6.9 Describe the functions of various minerals in the body, their metabolism and homeostasis. & BI 6.10 Enumerate and describe the disorders associated with mineral metabolism.	
19-5-2020 Tuesday	AN 47.5 Large intestine Interactive lecture (VI-SU)		AN 52.1 Histology: GIT-2		Histology practical Batch - A / Dissection: Inferior mesenteric artery			Tutorial - Pancreas & Extrapancreatic biliary apparatus (SG + DOAP session)				Histology practical Batch - B / Dissection: Inferior mesenteric artery					



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Date/Dav	09 AM to 10 AM		10 AM to 11 AM		11 AM to 12 PM		12 PM to 1 PM		2 PM to 5 PM Anatomy/ Physiology/Biochemistry :			2 PM to 5 PM Anatomy/ Physiology/Biochemistry :			2 PM to 5 PM Anatomy/ Physiology/Biochemistry :		
	Topic	Competency	Topic	Competency	Topic	Competency	Topic	Competency	Batch	Topic of Practical	Competency	Batch	Topic of Practical	Competency	Batch	Topic of Practical	Competency
1-6-2020 Monday	Learning , Memory (VI-PSYCHIATRY)	PY 10.9 Describe and discuss the physiological basis of memory, learning and speech	Speech (VI-PSYCHIATRY)	PY 10.9 Describe and discuss the physiological basis of memory, learning and speech	Protein Targeting and sorting	BP9.3 Describe protein targeting & sorting along with its associated disorders.	Protein Targeting and sorting	BP9.3 Describe protein targeting & sorting along with its associated disorders.	A	7th cranial nerve examination (VI: Otorhinolaryngology, HE: Human Anatomy)	PY 10.11 Demonstrate the correct clinical examination of the nervous system: Higher functions, sensory system, motor system, reflexes, cranial nerves in a normal volunteer PY 10.20 Demonstrate (i) Testing of visual acuity, colour and field of vision and (ii) hearing (iii) Testing for smell and (iv) taste sensation in volunteer/ simulated environment.	C	Endocrine disorders-1	PY 8.2 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus	B	Elisa & RIA	BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including:
2-6-2020 Tuesday	AN 48.1, 48.3 Pelvic Diaphragm and blood vessels of pelvis Interactive lecture		AN 52.2 Histology: Urinary system		Histology practical Batch - A / Dissection: Pelvic cavity				Tutorial - Urinary Bladder (SG + DOAP session)			Histology practical Batch - B / Dissection: Dissection: Pelvic cavity					
3-6-2020 Wednesday	Temperature Regulation -1	PY11.1 Describe and discuss mechanism of temperature regulation	Temperature Regulation -II	PY11.1 Describe and discuss mechanism of temperature regulation	Adaptation of Body to altered Temperature	PY11.1 Describe and discuss mechanism of temperature regulation PY 11.2 Describe and discuss adaptation to altered temperature (heat and cold)	Adaptation of Body to altered Temperature	PY11.1 Describe and discuss mechanism of temperature regulation PY 11.2 Describe and discuss adaptation to altered temperature (heat and cold)	B	9,10,11,12 cranial nerve examination (VI: Otorhinolaryngology, HE: Human Anatomy)	PY 10.11 Demonstrate the correct clinical examination of the nervous system: Higher functions, sensory system, motor system, reflexes, cranial nerves in a normal volunteer PY 10.20 Demonstrate (i) Testing of visual acuity, colour and field of vision and (ii) hearing (iii) Testing for smell and (iv) taste sensation in volunteer/ simulated environment	A	Endocrine disorders-2	PY 8.2 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus	C	Quality control, Autoanalyzer & DNA isolation technique	BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including:
4-6-2020 Thursday	AN 48.2, 48.5, 48.6 Ureter and Urinary Bladder Interactive lecture (VI-SU)		AN 52.8 Embryology - Female reproductive system (VI-OG)		Histology practical Batch - C / AN 51.2 Tutorial: Midsagittal section of pelvis (SG + DOAP session) (VI-PA)				Tutorial - Female reproductive organs (SG + DOAP session)			Histology practical Batch - D / AN 51.2 Tutorial : Midsagittal section of pelvis (SG + DOAP session) (VI-RA)					
5-6-2020 Friday	Immunology Hybridoma technology	BI10.10 Describe antigens and concepts involved in vaccine development.	Heat stroke	PY11.3 Describe and discuss mechanism of fever, cold injuries and heat	Fever and Cold Injuries	PY11.3 Describe and discuss mechanism of fever, cold injuries and heat	Physiology of Exercise & Sports (VI-Physiotherapy)	PY11.4 Describe and discuss metabolic adjustments during exercise: physical training effects	C	9,10,11,12 cranial nerve examination (VI: Otorhinolaryngology, HE: Human Anatomy)	PY 10.11 Demonstrate the correct clinical examination of the nervous system: Higher functions, sensory system, motor system, reflexes, cranial nerves in a normal volunteer PY 10.20 Demonstrate (i) Testing of visual acuity, colour and field of vision and (ii) hearing (iii) Testing for smell and (iv) taste sensation in volunteer/ simulated environment	B	Endocrine disorders-2	PY 8.2 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus	A	Quality control, Autoanalyzer & DNA isolation technique	BI11.16 Observe use of commonly used equipments/techniques in laboratory including:
6-6-2020 Saturday	AN 49.1, 49.2 Perineum-1 Interactive lecture (VI-OG)		AN 75.4 Genetics - 7 Interactive lecture (VI-PE)		Dissection: Pelvic part of perineum												
8-6-2020 Monday	Lifestyle Disorders (VI-Medicine)	PY11.5 Describe and discuss physiological consequences of sedentary lifestyle	Physiology of Fetus, Neonates (VI-Paediatrics)	PY11.6 Describe the physiology of Infancy	Insulin & Glucagon	BI3.9 Discuss the mechanism and significance of blood glucose regulation in health and disease. (VI G-Medicine & III -PY)	Insulin & Glucagon	BI3.9 Discuss the mechanism and significance of blood glucose regulation in health and disease. (VI G-Medicine)	A	9,10,11,12 cranial nerve examination (VI: Otorhinolaryngology, HE: Human Anatomy)	PY 10.11 Demonstrate the correct clinical examination of the nervous system: Higher functions, sensory system, motor system, reflexes, cranial nerves in a normal volunteer PY 10.20 Demonstrate (i) Testing of visual acuity, colour and field of vision and (ii) hearing (iii) Testing for smell and (iv) taste sensation in volunteer/ simulated environment	C	Endocrine disorders-2	PY 8.2 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus	B	Quality control, Autoanalyzer & DNA isolation technique	BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including:
9-6-2020 Tuesday	AN 49.3, 49.4, 49.5 Perineum-2 Interactive lecture (VI-SU) (VI-OG)		AN 52.2, 52.3 Histology: Female reproductive system		Histology practical Batch - A / AN 51.1, 55.2 Tutorial - Surface Marking (SG + DOAP session) (VI-SI)				Revision of bones related to abdomen			Histology practical Batch - B / AN 54.1 to 54.3 Tutorial - X-ray (SG + DOAP session) (VI-RA)					
10-6-2020 Wednesday	Age related changes in different organ system	PY11.7 Describe and discuss physiology of aging free radicals and antioxidants	Theories of Aging	PY11.7 Describe and discuss physiology of aging: free radicals and antioxidants	Sports Physiology	PY11.8 Discuss & compare cardio-respiratory changes in exercise (isometric and isotonic) with that in the resting state and under different environmental conditions (heat and cold)	Sports Physiology	PY11.8 Discuss & compare cardio-respiratory changes in exercise (isometric and isotonic) with that in the resting state and under different environmental conditions (heat and cold)	B	8th cranial nerve examination (VI: Otorhinolaryngology, HE: Human Anatomy)	PY 10.11 Demonstrate the correct clinical examination of the nervous system: Higher functions, sensory system, motor system, reflexes, cranial nerves in a normal volunteer PY 10.20 Demonstrate (i) Testing of visual acuity, colour and field of vision and (ii) hearing (iii) Testing for smell and (iv) taste sensation in volunteer/ simulated environment.	A	Endocrine disorders-3	PY 8.2 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus	C	DM, Dyslipidemia, Jaundice, Myocardial infarction	BI11.17 Explain the basis and rationale of biochemical tests done in the following conditions: -diabetes mellitus, -dyslipidemia -myocardial infarction

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	Tonic	Competency	Tonic	Competency	Tonic	Competency	Tonic	Competency	Batch	Tonic of Practical	Competency	Batch	Tonic of Practical	Competency			
11-6-2020 Thursday	AN 48.2, 48.5, 48.7 Prostate and Urethra Interactive lecture (VI-SU)		Guidance for preparation of theory exam		Topic Histology practical Batch -C/ AN 25.9 Tutorial - Surface Marking (SG + DOAP session) (VI-SU)				Guidance for preparation of practical exam			Histology practical Batch - D / AN 54.1 to 54.3 Tutorial - X-ray (SG + DOAP session) (VI-RA)					
12-6-2020 Friday	Comments & Justifications	Comments & Justifications	Grwoth Chart Interpretation SGT (VI - Paediatrics)	PY11.9 Interpret growth charts	Grwoth Chart Interpretation SGT (VI - Paediatrics)	PY11.9 Interpret growth charts	Grwoth Chart Interpretation SGT (VI - Paediatrics)	PY11.9 Interpret growth charts	C	8th cranial nerve examination (VI: Otorhinolaryngology, HI: Human Anatomy)	PY 10.11 Demonstrate the correct clinical examination of the nervous system: Higher functions, sensory system, motor system, reflexes, cranial nerves in a normal volunteer P Y 10.20 Demonstrate (i) Testing of visual acuity, colour and field of vision and (ii) hearing (iii) Testing for smell and (iv) taste sensation in volunteers/ simulated environment	B	Endocrine disorders-3	A	DM, Dyslipidemia, Jaundice, Myocardial infarction	B11.17 Explain the basis and rationale of biochemical tests done in the following conditions: -diabetes mellitus, -dyslipidemia, -myocardial infarction	
13-6-2020 Saturday	AN 48.2, 48.5, 48.8 Female reproductive system Interactive lecture (VI-SU) (VI-OG)		AN 48.2, 48.5 Rectum Interactive lecture (VI-SU)		Revision of pelvic viscera												
15-6-2020 Monday	anthropometric assessment of infants SGT, KCE, Visit to Paediatric Department (VI - Paediatrics)	PY11.10 Interpret anthropometric assessment of infants	anthropometric assessment of infants SGT, KCE, Visit to Paediatric Department (VI - Paediatrics)	PY11.10 Interpret anthropometric assessment of infants	Case Discussion	Case Discussion	Case Discussion	Case Discussion	A	8th cranial nerve examination (VI: Otorhinolaryngology, HI: Human Anatomy)	PY 10.11 Demonstrate the correct clinical examination of the nervous system: Higher functions, sensory system, motor system, reflexes, cranial nerves in a normal volunteer P Y 10.20 Demonstrate (i) Testing of visual acuity, colour and field of vision and (ii) hearing (iii) Testing for smell and (iv) taste sensation in volunteers/ simulated environment	C	Endocrine disorders-3	B	DM, Dyslipidemia, Jaundice, Myocardial infarction	B11.17 Explain the basis and rationale of biochemical tests done in the following conditions: -diabetes mellitus, -dyslipidemia, -myocardial infarction	
16-6-2020 Tuesday	AN 48.2, 48.5, 48.8, 49.5 Anal canal Interactive lecture (VI-SU) (VI-OG)		AN 75.5 Genetics - 8 Interactive lecture (VI-FE) (VI-OG)		Revision of histology slides GIT, GUT												
17-6-2020 Wednesday	Brain Death /Coma/Head Injuries (VI - Surgery)	PY11.11 Discuss the concept, criteria for diagnosis of Brain death and its implications	Glass Gow Coma Scale (VI - Surgery)	PY11.11 Discuss the concept, criteria for diagnosis of Brain death and its implications	Visit to Mortuary Room (VI - PM) (VI - Anatomy)	PY11.11 Discuss the concept, criteria for diagnosis of Brain death and its implications	Visit to Mortuary Room & Casualty (VI - PM, General Medicine) (HI - Anatomy)	PY11.11 Discuss the concept, criteria for diagnosis of Brain death and its implications	B	Cystometrogram	P Y 7.9 Describe cystometry and discuss the normal cystometrogram	A	BBT, Menstrual cycle	C	Renal failure, Gout, Nephrotic syndrome, Proteinuria	B11.17 Explain the basis and rationale of biochemical tests done in the following conditions: Renal failure, Gout, Nephrotic syndrome, Proteinuria	
18-6-2020 Thursday	S, soft parts, surface marking, living anatomy and X-ray																
19-6-2020 Friday	Comments & Justifications	Comments & Justifications	Physiology of Yoga	PY11.12 Discuss the physiological effects of meditation	Physiology of Meditation & Hypnosis	PY11.12 Discuss the physiological effects of meditation	Role of Yoga in Modern Medicine	PY11.12 Discuss the physiological effects of meditation	C	Cystometrogram	P Y 7.9 Describe cystometry and discuss the normal cystometrogram	B	BBT, Menstrual cycle	A	Renal failure, Gout, Nephrotic syndrome, Proteinuria	B11.17 Explain the basis and rationale of biochemical tests done in the following conditions: Renal failure, Gout, Nephrotic syndrome, Proteinuria	
20-6-2020 Saturday	<b>AETCOM 1.4 / Part 2</b>																
22-6-2020 Monday	Nutrition and calory restriction	PY8.5 Describe the metabolic and endocrine consequences of obesity & metabolic syndrome, Stress response. Outline the psychiatric component pertaining to metabolic syndrome.	Fitness-Obesity & Role of Nutrition	PY8.5 Describe the metabolic and endocrine consequences of obesity & metabolic syndrome, Stress response. Outline the psychiatric component pertaining to metabolic syndrome.	Case Discussion	Case Discussion	Case Discussion	Case Discussion	A	Cystometrogram	P Y 7.9 Describe cystometry and discuss the normal cystometrogram	C	BBT, Menstrual cycle	B	Renal failure, Gout, Nephrotic syndrome, Proteinuria	B11.17 Explain the basis and rationale of biochemical tests done in the following conditions: Renal failure, Gout, Nephrotic syndrome, Proteinuria	
23-6-2020 Tuesday	<b>Abdomen - part ending theory exam</b>																
24-6-2020 Wednesday	BLS Training (VI General Medicine/ Anaesthesiology)	PY11.14 Demonstrate Basic Life Support in a simulated environment	BLS Training (VI General Medicine/ Anaesthesiology)	PY11.14 Demonstrate Basic Life Support in a simulated environment	BLS Training (VI General Medicine/ Anaesthesiology)	PY11.14 Demonstrate Basic Life Support in a simulated environment	BLS Training (VI General Medicine/ Anaesthesiology)	PY11.14 Demonstrate Basic Life Support in a simulated environment	B	Electroencephalogram (VI: Psychiatry)	P Y 10.12 Identify normal EEG forms	A	Contraceptive devices (VI : Obstetrics & Gynecology, Community medicine)	P Y 9.6 Enumerate the contraceptive methods for male and female. Discuss their advantages & disadvantages	C	Student Seminar	Student Seminar
25-6-2020 Thursday	Clinical case studies of upper limb																
26-6-2020 Friday	Comments & Justifications	Comments & Justifications	Reading Vacation/ Log Book / Journal Certification/ Extra Classes						C	Electroencephalogram (VI: Psychiatry)	P Y 10.12 Identify normal EEG forms	B	Contraceptive devices (VI : Obstetrics & Gynecology, Community medicine)	P Y 9.6 Enumerate the contraceptive methods for male and female. Discuss their advantages & disadvantages	A	Student Seminar	Student Seminar
27-6-2020 Saturday	Clinical case studies and problem solving of thorax																

