

ALLURI SITARAMA RAJU ACADEMY OF MEDICAL SCIENCES, ELURU

I MBBS – ACADEMIC TIME-TABLE FOR THE YEAR 2019 - 20

Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
Day 1 MONDAY	Physiology lecture	Anatomy –SDL	Anatomy Didactic lecture	Anatomy dissection	Lunch break	Practical's- Batches A,B,C
Day 2 TUESDAY	Anatomy Didactic lecture	Biochemistry lecture	Physiology Didactic lecture	Anatomy dissection		Anatomy -
Day 3 WEDNESDAY	Anatomy Didactic lecture	Physiology SGD/Tutorials	Physiology SGD/Tutorials	Anatomy dissection		Physiology
Day 4 THURSDAY	Biochemistry Didactic lecture	Physiology Didactic lecture/SGD	Physiology Didactic lecture/SGD	Assessment/ AETCOM /classes		Biochemistry
Day 5 FRIDAY	Physiology Didactic lecture	Anatomy lecture	ECE 1 st week-AN, 2 nd week-PY, 3 rd week-BI			Anatomy –SGD/Tutorials
Day 6 SATURDAY	Sports/ Extracurricular activity	Physiology SDL /Biochemistry SDL	Anatomy Lecture	CM/AETCOM		Physiology -SGD
Abbreviations DL: didactic lecture , SDL: self -directed learning, SGD: small group discussion, ECE: early clinical exposure, VI-vertical integration, HI- horizontal integration Anatomy Biochemistry Physiology						

Timeline						
Month	Anatomy	Physiology	Biochemistry	Anatomy	Physiology	Biochemistry
Horizontal integration – Temporal coordination						
August	Foundation course					
September October	General Anatomy Upper limb Thorax	General Physiology Hematology, Immunology Nerve & muscle physiology CVS Physiology	Basic Biochemistry, Proteins structure function relationship, Hemoglobin metabolism, Iron metabolism, Vitamin B12, Folic acid, Immunology, Enzymes, Isoenzymes, Lipid metabolism		Hematology ↔	Hemoglobin Metabolism, Iron metabolim
					Immunology ↔	Immunology
				Thorax ↔	CVS Physiology Respiratory Physiology ↔	Lipid metabolism Isoenzymes
November December	Thorax Abdomen	CVS Physiology Respiratory Physiology Gastro-intestinal Physiology Renal physiology	Lipid metabolism, Biological oxidation Carbohydrate chemistry, Digestion & absorption, Carbohydrate metabolism Liver- PEM, Jaundice, LFT, Vitamin K, Renal- RFT,	Abdomen ↔	Gastro-intestinal Physiology ↔	Digestion & absorption, Carbohydrate metabolism , Liver- PEM, Jaundice, LFT
				Abdomen ↔	Renal physiology ↔	RFT
January February	Abdomen Head & Neck	Renal physiology Neuro physiology	Water electrolyte and acid base balance, Minerals- Sodium, Potassium, Chloride, Vitamins –B1,B2,B3,B5,B6,B7 Protein metabolism Integration of metabolism	Abdomen ↔	Renal physiology ↔	Water electrolyte and acid base balance, Minerals-Sodium, Potassium, Chloride

March April	Head & Neck Neuroanatomy	Neuro physiology	Minerals-Cu,Zn,Fl,Se,I ₂ Obesity,Diet, Vitamin A Nucleotide chemistry Nucleic acid metabolism Molecular biology	Head & Neck Neuroanatomy	Neuro physiology	Vitamin A
May	Vacation					
June July	Neuroanatomy Genetics Lower limb	Endocrine Physiology Reproductive Physiology	Molecular biology Cancer, Blood glucose regulation, DM, Diet, Thyroid and adrenal function tests Minerals-Calcium &phosphorus metabolism, Vitamin D metabolism, Protein targeting & sorting, ECM, Vitamin C metabolism, Xenobiotics, antioxidants, Vitamin E, Diet	Neuroanatomy Genetics	Endocrine Physiology	Molecular biology Thyroid function tests Adrenal function tests Calcium & phosphorus metabolism, Vitamin D

	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
Sept Week 1	Day 1 MONDAY 2.09.19	PY1.1 MAMMALIAN CELL 1	AN – SDL 1.2, 2.1 – Bone 1	AN 2.2, 2.3 – Bone contd 1	AN 1.1 – Anatomical terms, position etc. 1	Lunch break	Practicals -Batches A,B,C AN 4.3, 4 –VI - Dermatology - Superficial and deep fasciae 2
	Day 2 TUESDAY 3.09.19	AN 2.2, 2.3 – Bone contd 2	BI 1.1-DLHI- PYMolecular and functional organization of a cell 1	PY 1.2 HOMEOSTASIS 2	AN 2.5, 2.6 – Joints, types, examples 3		PY 2.11 ESTIMATION OF R.B.C.COUNT V.INT WITH PATHOLOGY 2
	Day 3 WEDNESDAY 4.09.19	AN 2.4 - VI - Ortho - Cartilage 3	PY 1.1MAMMALIAN CELL PY 1.2HOMEOSTASIS 2		AN 4.1, 2, 5 –VI - Dermatology - Skin and its appendages 4		BI11.1 Laboratory apparatus and equipments in biochemistry 2
	Day 4 THURSDAY 5.09.19	BI 1.1 –DL SubcellularComponents 2	PY 1.6 BODY FLUIDS PY1.7 PH&BUFFER SYSTEM 3	PY1.3 CYTOSKELETON 4	Assessment–AN -2 Written/ Viva voce/MCQ's		AN - SGD – 5.1, 2, 3 – VI - Pathology - Blood vessels - 5
	Day 5 FRIDAY 6.09.19	PY 1.3 INTERCELLULAR COMMUNICAION 5	AN 5.4 to 5.8 –VI - GM - Blood vessels etc. Contd 4	ECE–AN 3 Visit to Hospital, its orientation			PY 1.5 TRANSPORT MECHANISM 2
	Day 6 SATURDAY 7.09.19	Sports/ Extracurricular activity 1	py1.1 MECHANISMS OF MEMBRANE TRANSPORT 1	AN - 6.1, 2, 3 –VI - Gen. Surg. -Lymphatic system 5	CM1.1-DL&SGD 2 Define public Health Describe about changing concepts of public health		BI5.1 –SGD Structural organization of proteins. 4

	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
Sept Week 2	Day 1 MONDAY 9.09.19	PY 1.5 TRANSPORT MECHANISM 6	AN – SDL 7.1, 2, 3, 4, 5 – Nervous system 2	AN 7.6, 7, 8 –VI - GM - Nervous system contd. 6	AN 8.1 to 8.6 – Scapula demonstration 6	Lunch break	Practicals -Batches A,B,C
	Day 2 TUESDAY 10.09.19	AN 8.1 to 8.6 – Clavicle demonstration 7	BI5.2- DL Structure-function relationships of proteins, hemoglobin Myoglobin 3	PY 1.4 APOPTOSIS V .INT WITH PATHOLOGY 7	8.1 to 8.6 – Ulna, bones of the hand demonstration 8		AN 8.1 to 8.6 – VI – Ortho Humerus, radius demonstration 7
	Day 3 WEDNESDAY 11.09.19	AN 9.1 – Pectoral region 8	PY 1.5 TRANSPORT MECHANISM 4		AN Dissection - 9.1, 2, 3 – Pectoral region, breast 9		BI11.6 Principles of colorimetry 6
	Day 4 THURSDAY 12.09.19	BI5.2- DLHI-PY Structure-function relationships of proteins, Albumin, globulins 4	PY 2.1 BLOOD COMPOSITION 8	PY2.2 PLASMA PROTEINS 9	Assessment –PY Written/ Viva voce/MCQ's 4		AN - SGD 10.1 to 10.7 – Boundaries and contents of axilla 10
	Day 5 FRIDAY 13.09.19	PY 2.4 HAEMOPOIESIS, ERYTHROPOIESIS & REGULATION 10	AN 9.2, 3 -VI - Gen . Surg.-Breast 9	ECE – PY 3 VISIT TO CENTRAL LAB TO STUDY HEMATOLOGY ANALYZER 3			PY1.8 -RESTING MEMBRANE POTENTIAL PY1.8-ACTION POTENTIAL 4
	Day 6 SATURDAY 14.09.19	Sports/ Extracurricular activity 2	PY 2.5 CLINICAL CARE AND RESEARCH 2	AN 10.1, 2 – Boundaries and contents (vessels) of axilla 10	CM1.2-DL&SGD 4 Define Health Describe about changing concepts of health		BI6.12-SGD Major types of haemoglobin and its derivatives found in the body and their physiological relevance 8

	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
Sept Week 3	Day 1 MONDAY 16.09.19	PY 2.6 GRANULOPOIESIS 11	AN – SDL 10.4 – Axillary lymph nodes 3	AN 10.3, 5, 6 – VI - Gen. Surg. - Brachial plexus 11	AN Dissection 10.1 to 10.7 – Boundaries and contents of axilla 11	Lunch break	Practicals -Batches A,B,C
	Day 2 TUESDAY 17.09.19	AN 76.1, 2 – Gen. Embryology, Gametogenesis 12	BI6.12-DLVI-IM,PA Major types of haemoglobin and its derivatives, their pathological relevance &hemoglobinopathies 5	PY 2.4 HAEMOPOIESIS, ERYTHROPOIESIS & REGULATION 12	AN Dissection 10.1 to 10.7 – Boundaries and contents of axilla 13		PY 2.11 ESTIMATION OF TOTAL LEUCOCYTE COUNT V.INT WITH PATHOLOGY 6
	Day 3 WEDNESDAY 18.09.19	AN 10.8, 9 – Trapezius, latissimus dorsi, triangle of auscultation 13	PY 2.4 HAEMOPOIESIS 6		AN Dissection 10.8, 9 – Dissection of the back 14		BI11.8 Demonstrate estimation of serum proteins 10
	Day 4 THURSDAY 19.09.19	BI6.11-DLHI -PY Functions of haem in the body and metabolism of porphyrin 6	PY 2.3 HAEMOGLOBIN JAUNDICE 13	PY 2.5 ANAEMIAS AND JAUNDICE V.INT PATHOLOGY 14	Assessment –BI Written/ Viva voce/MCQ's 6		AN - SGD 10.10, 11 – Shoulder region 15
	Day 5 FRIDAY 20.09.19	PY 2.7 PLATELETS-2 15	AN 10.10, 10.11 – Deltoid, rotator cuff, serratus anterior, 10.13 – Axillary nerve 14	ECE-BI 3 Ward GM/Pead/Case study of Anemia/hemoglobinopathy			PY 2.8 HAEMOSTASIS V.INT PATHOLOGY 6
	Day 6 SATURDAY 21.09.19	Sports/ Extracurricular activity3	BI6.11-SDL-2 Metabolism of Heme synthesis	AN 77.1 to 77.6 – Menstrual, ovarian cycles, applied aspects 15	AETCOM -2		BI6.9- SGD VI- GM Functions of iron and its metabolism and Disorders of iron metabolism 12

	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
Sept Week 4	Day 1 MONDAY 23.09.19	PY 2.8 ANTICOAGULANTS 16	AN – SDL1 1,13 quadrangular and triangular spaces 4	AN 65.1 Hist– Epithelium 16	AN Dissection10.10, 11, 13 – Shoulder region 16	Lunch break	Practicals -Batches A,B,C
	Day 2 TUESDAY 24.09.19	AN 10.12 – Shoulder joint 17	BI6.5-DL VI–IM Biochemical role and deficiency of vitamins B12 , folic Acid 7	PY 2.9 BLOOD GROUPS 17	AN Dissection 10.12 – VI - Ortho- Shoulder joint 18		AN 67.1 to 68.3– Hist – muscle,Nervous tissue (neuron, peripheral nerve, ganglia) 17
	Day 3 WEDNESDAY 25.09.19	AN 11.1, 2 – Upper arm 18	PY 2.8 HAEMOSTASIS 8		AN Dissection 11.1, 2 – Upper arm 19		BI11.16 Observe the use of ELISA 14
	Day 4 THURSDAY 26.09.19	BI10.3 –DLHI-PY Cellular and components of the immune system 8	PY 2.9 BLOOD GROUPS 18	PY 2.9 BLOOD TRANSFUSION AND CLINICAL ASPECT 19	PY PY2.10 IMMUNITY 20		AN - SGD 11.1, 2 – Upper arm 20
	Day 5 FRIDAY 27.09.19	PY2.10 IMMUNITY 20	AN 11.3, 4 – VI - Gen. Surg. - Radial nerve, cubital veins 19	BI10.3 –SDL-3 Humoral components of the immune system	PY 3.1 NEURON&NEURO GLIA,CYTOKINES INT ANATOMY 22		PY 3.2, 3.3 TYPES,FUNCTIONS PROPERTIES OF NERVE FIBRES,PY 3.3 DEGENERATION ®ENERATION INT GEN MEDICINE 8
	Day 6 SATURDAY 28.09.19	Sports/ Extracurricular activity 4	PY 3.9 RESEARCH 4	AN 11.5, 6 – Cubital fossa, anastomoses around elbow joint 20	CM1.2-DL&SGD 6 Describe about dimensions of health		BI10.3 –SGD HI-PY Types and structure of antibody BI10.4 Innate and adaptive immune responses 16

	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM	
Sept- Oct Week 5	Day 1 Monday 30.09.19	PY 3.4 NEURO MUSCULAR JUNCTION INT ANAESTHESIOLOGY 21	AN – SDL 11.5 cubital fossa 5	AN 77.1 to 77.6 – Menstrual, ovarian cycles, applied aspects II 21	AN Dissection 11.5 – Cubital fossa 21	Lunch break	Practicals -Batches A,B,C AN 71.1, 2 – Hist – Bone, cartilage 22	
	Day 2 Tuesday 1.10.19	AN 12.1 – Muscles of the front of the forearm 22	BI10.4 –DL Self/non-self recognition and the central role of T-helper cells in immune responses. 9	PY 3.5 NEUROMUSCULAR BLOCKING AGENTS INT ANAESTHESIOLOGY AND PHARMACOLOGY 22	AN Dissection 12.1 – Muscles of the front of the forearm AN12.2 – Nerves and vessels of the front of the forearm theory 23		PY 2.11 ESTIMATION OF RETICULOCYTE COUNT AND PLATELET COUNT V. INT WITH PATHOLOGY 10 BI11.16 Observe techniques of immunodiffusion 18	
	Day 3 Wednesday 2.10.19	GANDHI JAYANTHI						
	Day 4 Thursday 3.10.19	BI10.5 –DLVI- PE, MI Antigens and concepts involved in vaccine development. 10	PY 3.6 MYASTHENIA GRAVIS V INT PATHOLOGY 23	PY 3.7 TYPES ,STRUCTURE OF MUSCLE FIBRE H INT ANATOMY 24	Practicals -Batches A,B,C Practicals -Batches A,B,C Practicals -Batches A,B,C		AN - SGD - 12.2 – Nerves and vessels of the front of the forearm 24	
	Day 5 Friday 4.10.19	PY 3.8 PROPERTIES OF MUSCLE FIBRES 25	AN12.2 – Nerves and vessels of the front of the forearm 23	ECE –AN 6 1. Carcinoma breast (or the like) - palpation of axillary lymph nodes			PY 3.3 PY 3.5 NEURO MUSCULAR BLOCKING AGENTS DEGENERATION AND REGENERATION IN NERVE FIBRES 10	
	Day 6 Saturday 5.10.19	Sports/ Extracurricular activity 5	BI2.1 –SDL 4 Fundamental concepts of enzyme, isoenzyme, alloenzyme, coenzyme & co-factors	AN 12.5, 6 – Intrinsic muscles of the hand 24	CM 1.2-DL&SGD 8 Define concepts of wellbeing Describe about various concepts of wellbeing		BI 2.1 –SGD Classes of IUBMB nomenclature BI 2.2 - Demo Observe the estimation of SGOT & SGPT 20	

	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
Oct Week 6	Day 1 MONDAY 7.10.19	DASARA					DASARA
	Day 2 TUESDAY 8.10.19	DASARA					DASARA
	Day 3 WEDNESDAY 9.10.19	AN 12.7, 8 – Vessels and nerves of the hand 25	PY 3.5 NMJ 10	PY 3.5 NMJ 10	AN - Dissection - 12.5 to 12.10– Palm of the hand 25	Lunch break	Practical's- Batches A,B,C - Revision
	Day 4 THURSDAY 10.10.19	BI 2.3 -DL Enzyme kinetics 11	PY 3.8 PROPERTIES OF MUSCLE FIBRES 26&27		BI 2.3 DL Factors affecting enzyme activity 12		AN - SGD - 12.5 to 12.10– Palm of the hand 26
	Day 5 FRIDAY 11.10.19	PY 3.8 ACTION POTENTIAL OF SKELETAL SMOOTH &CARDIAC 28	AN 12.3, 4, 10 – VI - Gen. Surg. - Flexor retinaculum, carpal tunnel syndrome, Fibrous flexor sheaths, fascial spaces of the palm 26	ECE –PY 6 VISIT TO BLOOD BANK 6			PY 3.8 ACTION POTENTIAL OF SKELETAL SMOOTH &CARDIAC 12
	Day 6 SATURDAY 12.10.19	Sports/ Extracurricular activity 6	PY 3.11 ENERGY SOURCE METABOLISM H.INT BIOCHEMISTRY 5	AN 78.1 to 78.5 – Second week of development 27	CM1.2-DL&SGD 10 Describe about spectrum of health. Describe about various determinants of health		BI2.3-SGD Enzyme inhibition Enzyme Regulation 24

	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
Oct Week 7	Day 1 MONDAY 14.10.19	PY 3.9 MOL.BASIS OF MUSCLE CONTRACTION 29	AN – SDL 12.1 pronation and supination 6	AN 78.1 to 78.5 – Second week of development II 28	AN - Dissection - 12.5 to 12.10– Palm of the hand 27	Lunch break	Practical's- Batches A,B,C AN 69.1, 2, 3, 70.2 – Hist – Blood vessels, lymphoid tissues 28
	Day 2 TUESDAY 15.10.19	AN 78.1 to 78.5 – Second week of development II 29	BI 2.3 -DL Mechanism of action of enzymes 13	PY 3.9 MOL.BASIS OF MUSCLE CONTRACTION 30	AN - Dissection - 12.5 to 12.10– Palm of the hand 29		PY 2.11 ESTIMATION OF DLC V.INT WITH PATHOLOGY 12
	Day 3 WEDNESDAY 16.10.19	AN - 12.5 to 12.10– Vessels of the Palm of the hand 30	PY 3.9 MOL.BASIS OF MUSCLE CONTRACTION 12		AN - Dissection - 12.11 to 12.15 – Back of the forearm, dorsum of the hand30		BI11.13 & BI2.2 Estimation of SGOT &SGPT 26
	Day 4 THURSDAY 17.10.19	BI 2.4-DLVI – IM,PA Enzyme inhibitors as poisons and drugs and as therapeutic enzymes 14	PY 3.10 MODE OF MUSCLE CONTRACTION PY 3.11 GRADATION OF MUSCULAR ACTIVITY V.INT GEN MEDICINE 31 &32		Assessment AN- 8		AN - SGD - 12.11 to 12.15 – Back of the forearm, dorsum of the hand 31
	Day 5 FRIDAY 18.10.19	PY 3.17 STRENGTH DURATION CURVE 33	AN 12.11 – Muscles of the back of the forearm, Extensor retinaculum, extensor expansions 31	ECE –BI 6 Central Lab- Process from collection to reporting			PY 5.1 FUNCTIONAL ANATOMY OF THE HEART ,CONDUCTING SYSTEM H.INT ANATOMY 16
	Day 6 SATURDAY 19.10.19	Sports/ Extracurricular activity 7	BI 2.7 –SDL-5 Isoenzymes and their clinical significance	AN 79.1 to 79.6 – Third to eighth week of development 32	AETCOM -4		BI2.5, BI 2.6 & BI 2.7-SGD VI-IM,PA Enzyme-based Assays , clinical utility & interpretation of various enzymes as markers of pathological conditions 28

	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
Oct Week 8	Day 1 MONDAY 21.10.19	PY 5.2 PROPERTIES OF CARDIAC MUSCLE 34	AN – SDL 12.10 palmar spaces 7	AN 12.12, 13- Vessels and nerves of the back of the forearm, wrist drop 33	AN - Dissection - 12.11 to 12.15 – Back of the forearm, dorsum of the hand 32	Lunch break	Practical's- Batches A,B,C
	Day 2 TUESDAY 22.10.19	AN 13.1, 2 – Dermatomes, veins of the upper limb, 13.4, Joints of the clavicle 34	BI4.1 –DL Main Classes of lipids and their major functions. 15	PY 5.3 CARDIAC CYCLE 35	AN Dissection 12.11 to 12.15 – VI - Gen. Surg. - Back of the forearm, dorsum of the hand 34		PY 2.11 DLC REVISION 16
	Day 3 WEDNESDAY 23.10.19	AN 13.3, 4 – Joints of the forearm and hand 35	PY 5.3 CARDIAC CYCLE PY 5.7 HAEMODYNAMICS 14		AN Dissection 13.3, 4 – Joints of the forearm and hand 35		BI11.14 Estimation of alkaline phosphatase 30
	Day 4 THURSDAY 24.10.19	BI4.2-DLVI-IM Metabolism of triglycerides 16	PY 5.4 GEN,COND OF CARDIAC IMPULSE 36	PY 5.4 GEN,COND OF CARDIAC IMPULSE 37	Assessment PY 10		AN - SGD 13.6, 7, 8 - Surface anatomy, development of the upper limb 36
	Day 5 FRIDAY 25.10.19	PY 5.9 BLOOD PRESSURE 38	AN 79.1 to 79.6 – Third to eighth week of development 36	PY 11.4 EFFECT OF PHYSICAL TRAINING 39	AETCOM 6		PY 5.9 REGULATION OF BLOOD PRESSURE 18
	Day 6 SATURDAY 26.10.19	Sports/ Extracurricular activity 8	PY 5.8 CARDIOVASCULAR REGULATORY MECHANISMS 6	AN 79.1 to 79.6 – Third to eighth week of development 37	CM1.3 DL&SGD 12 Describe about various concepts of disease. Describe about concepts of causation		BI4.2-SGD VI-IM Metabolism of cholesterol 32

	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
Oct-Nov Week 9	Day 1 MONDAY 28.10.19	PY 5.11 PHYSIOGY OF SHOCK 40	Anatomy –SDL – 21.1 – Sternum 38	AN 21.1 - Sternum demonstration in batches 38	AN 21.1, 21.2, 21.3 – Ribs demonstration in batches, thoracic inlet 37	Lunch break	Practical's- Batches A,B,C AN 70.1, 2 – Hist – Lymphoid tissue 38
	Day 2 TUESDAY 29.10.19	AN 70.1, 2 – Hist – Lymphoid tissue 39	BI4.4-DLHI-AN,PY Structure and functions of lipoproteins, interrelations & relations with atherosclerosis 17	PY 5.11 PHYSIOLOGY OF SYNCOPE AND HEART FAILURE 41	AN Dissection 21.1 to 21.7 - Walls of the thorax 39		PY 2.13 RETICULOCYTE AND PLATELET COUNT V.INT WITH PATHOLOGY 18
	Day 3 WEDNESDAY 30.10.19	AN 21.4, 5, 7 – Intercostal muscles and nerves 40	REGULATION OF HR CO 16		AN Dissection 21.1 to 21.7 - Walls of the thorax 40		BI11.10 -34 Estimation of triglycerides 34
	Day 4 THURSDAY 31.10.19	BI4.3-DLVI –IM HI- PY. Lipoprotein metabolism & associated disorders 18	PY 5.10 LOCAL CIRCULATION 42	PY 5.10 LOCAL CIRCULATION V.INTGEN.MEDICINE 43	Assessment BI 12		AN - SGD 21.8, 9, 21.10 - Describe & demonstrate type, articular surfaces manubriosternal, costovertebral, costotransverse and xiphisternal joints, costochondral joints, mechanics of respiration 41
	Day 5 FRIDAY 1.11.19	PY 5.10 CEREBRAL CIRCULATION AND COROARY CIRCULATION 44	AN 21.6 - Intercostal vessels, internal thoracic vessels 41	ECE-AN 9 Blood collection – intravenous manoeuvres			PY 5.5 E.C.G. V.INT GEN.MED 20
	Day 6 SATURDAY 2.11.19	Sports/ Extracurricular activity 9	BI7.7 –SDL-6 Role of oxidative stress in the pathogenesis and complications of atherosclerosis	AN 25.2 - Development of pleurae, lung and the heart 42	CM1.3,CM1.4- DL&SGD 14 Describe about web of causation Describe about the natural history of disease		BI4.5 & BI4.7, BI11.17-SGD Interpret laboratory results of analytes associated with metabolism of Lipids including dyslipidemia, and myocardial infarction 36

	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
Nov Week 10	Day 1 MONDAY 4.11.19	PY6.1 FUNCTIONAL ANATOMY OF THE RESPIRATORY TRACT 45	AN – SDL 21.11 Boundaries of mediastinum 9	AN 21.11 – Mediastinum 43	AN Dissection 21.11 – Mediastinum 42	Lunch break	Practical's- Batches A,B,C AN – 70.1, 72.1 – Hist – Salivary glands, skin 43
	Day 2 TUESDAY 5.11.19	AN 22.1 – Pericardium 44	BI4.6 –DL-VI-IM Prostaglandins and inhibitors of eicosanoid synthesis 19	PY 6.2 RESPIRATORY MEMBRANE 46	AN Dissection 22.1 – Pericardium 44		PY 2.9 ESTIMATION OF BLOOD GROUS , BT/ CT V.INT PATHOLOGY 20
	Day 3 WEDNESDAY 6.11.19	AN 22.2 – External features of the heart 45	PY 5.10 REGIONAL CIRCULATION 18	PY 5.10 REGIONAL CIRCULATION 18	AN Dissection 22.2 –VI -GM, Paed- External features of the heart 45		BI11.9 Estimation of serum total cholesterol 38
	Day 4 THURSDAY 7.11.19	BI4.1 –DLHI-PY , AN Functions of phospholipids and associated conditions 20	PY 6.2 MECHANICS OF BREATHING 47	PY 6.2 LUNG VOLUMES AND CAPACITIES 48	AETCOM 8		AN - SGD 22.3, 22.5 – VI -GM - Blood supply of the heart 46
	Day 5 FRIDAY 8.11.19	PY 6.2 PROPERTIES OF LUNGS AND CHESTWALL 49	AN 22.3, 22.5 – Blood supply of the heart 46	ECE-PY 9 VISIT TO PULMONARY MEDICINE DEPARTMENT TO STUDY COMPUTERISED SPIROMETRY AND VARIATIONS IN PULMONARY DISORDERS 9			PY – 2.1 PROPERTIES OF LUNGS AND CHESTWALL 22
	Day 6 SATURDAY 9.11.19	Sports/ Extracurricular activity 10	PY 6.2 - ALVEOLAR VENTILATION, GAS EXCHANGE AND V/P RATIO 7	AN 25.2, 3 - Development of pleurae, lung and the heart, fetal circulation 47	CM1.4-SGD 16 Describe about the pre-pathogenesis & pathogenesis phase of disease		BI4.2-SGD Metabolism of fatty acids – Oxidation 40

	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
Nov Week 11	Day 1 MONDAY 11.11.19	PY 6.3 TRANSPORT OF RESPIRATORY GASES OXYGEN 50	AN – SDL 25.2,3 development of interatrial and interventricularseptum 10	AN 22.2 - Interior of the chambers of the heart 48	AN Dissection 22.2 - Interior of the chambers of the heart 47	Lunch break	Practical's- Batches A,B,C
	Day 2 TUESDAY 12.11.19	AN 22.4, 22.6, 22.7 - Ischaemic heart disease, fibrous skeleton of the heart, conducting system of the heart 49	BI4.2 –DL Metabolism of fatty acids –synthesis 21	PY 6.3 TRANSPORT OF RESPIRATORY GASES OXYGEN 51	AN Dissection 22.2 - Interior of the chambers of the heart 49		PY 2.12. ESR OSMOTIC FRAGILITY AND INDICES AND HAEMATOCRIT V.INT WITH PATHOLOGY 22
	Day 3 WEDNESDAY 13.11.19	AN 23.1, 23.2, 23.7 - Oesophagus and thoracic duct, applied anatomy 50	PY 6.2 MECHANISM OF RESPIRATION 20	PY 6.2 MECHANISM OF RESPIRATION 20	AN Dissection 23.1, 23.2 - Oesophagus and thoracic duct 50		BI11.9 Estimation of HDL- cholesterol 42
	Day 4 THURSDAY 14.11.19	BI4.2-DL VI-IM Ketone bodies metabolism 22	PY 6.3 TRANSPORT OF RESPIRATORY GASES CARBON DIOXIDE 52	PY 6.3 TRANSPORT OF RESPIRATORY GASES CARBON DIOXIDE 53	Assessment AN 14		AN - SGD 23.3 - Azygos veins 51
	Day 5 FRIDAY 15.11.19	PY 6.2 REGULATION OF RESPIRATION 54	AN 23.3 - Azygos veins 51	ECE-BI 9 Ward GM /Case study of Hypertension/ CVD			PY 6.2 SGD REGULATION OF RESPIRATION 24
	Day 6 SATURDAY 16.11.19	Sports/ Extracurricular activity 11	BI6.6-SDL-7 Thermodynamics	AN 25.4 - Cardiac developmental anomalies 52	AETCOM 10		BI6.6 – SGD Electron transport chain 44

	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
Nov Week 12	Day 1 MONDAY 18.11.19	PY 6.4 DL PHYSIOLOGY OF HIGH ALTITUDE AND DEEP SEA DIVING 55	AN –SDL - 23.4 development of arch of aorta 11	AN 23.4 - Arch of aorta, descending thoracic aorta 53	AN Dissection 23.4 - Arch of aorta, descending thoracic aorta 52	Lunch break	Practical's- Batches A,B,C AN 25.1 - Histology of trachea, lung 53
	Day 2 TUESDAY 19.11.19	AN 23.5, 23.6 – Thoracic sympathetic chain, splanchnic nerves 54	BI6.6 –DL Oxidative phosphorylation 23	PY 6.4 PHYSIOLOGY OF HIGH ALTITUDE AND DEEP SEA DIVING 56	AN Dissection 23.5, 23.6 – Thoracic sympathetic chain, splanchnic nerves 54		PY 3.18 AMPHIBIAN NERVE MUSCLE EXPERIMENTS 24
	Day 3 WEDNESDAY 20.11.19	AN 24.1 – The pleurae 55	PY6.3 TRANSPORT OF RESPIRATORY GASES 22	PY6.3 TRANSPORT OF RESPIRATORY GASES 22	AN Dissection 24.1 – The pleurae 55		BI11.19 Principles and applications of instruments used in a biochemistry laboratory 46
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	Day 3 WEDNESDAY 27.11.19	AN 71.1,2 – Hist- Bone, cartilage 60	PY 6.6 DYSPTNOEA AND HYPOXIA 24	PY 6.6 DYSPTNOEA AND HYPOXIA 24	AN 4.2, 24.3 – Lungs and bronchopulmonary segments 60		BI11.18 Discuss the principles of spectrophotometry 50
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	Day 4 THURSDAY 5.12.19	BI3.4 –DL Regulation & disorders of Glycogen metabolism 28	PY 4.7 FUNCTIONS OF LIVER H.IN BIO 67	PY 4.7 FUNCTIONS OF GALL BLADDER H.IN BIO 68	AETCOM 12		AN - SGD 44.3 – Rectus sheath 66
	Day 5 FRIDAY 6.12.19	PY 4.2 FUNCTIONS OF INTESTINAL JUICES AND BILE SECRETION 69	AN 52.4 to 52.8 - Development of the abdominal organs GIT, Urinary system 66	ECE –PY 12 VISIT TO GENERAL MEDICINE WARD FOR GIT CASE STUDIES 12			PY 4.4 DIG & ABS OF NUTRIENTS H.INT BIOCHEM PY 4.5 GIT HORMONES 30
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1st INTERNAL ASSESSMENT

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Dec Week 15	Day 1 MONDAY 09.11.19	ANATOMY – THEORY				Lunch break	
	Day 2 TUESDAY 10.11.19	BIOCHEMISTRY-THEORY					
	Day 3 WEDNESDAY 11.11.19	PHYSIOLOGY-THEORY					
	Day 4 THURSDAY 12.11.19	PRACTICALS					
	Day 5 FRIDAY 13.11.19	PRACTICALS					
	Day 6 SATURDAY 14.11.19	PRACTICALS					

	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
Dec Week 16	Day 1 MONDAY 16.12.19	PY4.3 GIT MOVEMENTS 70	AN – SDL 44.4 inguinal ligament 14	AN 44.4, 44.5 – Inguinal canal 68	AN Dissection 44.4, 44.5 –VI - G.S. -Inguinal canal 67	Lunch break	Practical's- Batches A,B,C AN - 52.2 – Hist – Uterine tube, placenta, umbilical cord 68
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	Day 3 WEDNESDAY 18.12.19	AN 45.1, 45.3 - Thoracolumbar fascia, back muscles 70	PY 4.2 GIT SECRETIONS 28	PY 4.2 GIT SECRETIONS 28	AN Dissection 45.2 – Lumbar plexus 70		BI11.12 Demonstrate the estimation of serum bilirubin 58
	Day 4 THURSDAY 19.12.19	BI3.8-DL VI-IM ,PA Discuss and interpret laboratory results of analytes associated with metabolism of carbohydrates 30	PY4.3 GIT MOVEMENTS 72	PY4.3 GIT MOVEMENTS 73	AETCOM 14		AN - SGD 46.1, 46.2, 46.3 - Testis, epididymis, penis 71
	Day 5 FRIDAY 20.12.19	PY 4.5 GIT HORMONES 74	AN 46.1, 46.2, 46.4 - Testis, epididymis, varicocoele 71	PY 2.3 JAUNDICE	BI6.13 & BI6.14, BI6.5 -SGD HI-PY Liver functions, & abnormalities, bilirubin metabolism Biochemical role of vitamin K 60		PY 4.9 CLINICAL ASPECT OF GIT H.INT BIO 32
	Day 6 SATURDAY 21.12.19	Sports/ Extracurricular activity 15	BI8.2 –SDL-9HI-PY Types and causes of protein energy malnutrition and its effects	AN 52.4 to 52.8 - Development of the abdominal organs – Male genital structures 72	AETCOM 16		BI6.15, BI11.17 –SGD HI-PY Liver function tests. Explain the basis and rationale of biochemical tests done in jaundice, liver diseases 60

	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM	
Dec Week 17	Day 1 MONDAY 23.12.19	PY 7.1 STRUCTURE AND FUNCTION OF KIDNEY 76	AN – SDL52.4-8 mesonephric and paramesonephric ducts 15	AN 46.3, 46.5 - Penis and circumcision 73	AN Dissection 47.2 - Peritoneal folds 72	Lunch break	Practical's- Batches A,B,C	
	Day 2 TUESDAY 24.12.19	AN 47.2 - Peritoneal folds 74	BI6.13, BI11.3-DL HI-AN,PY Renal functions, Describe the chemical components of normal urine. 31	PY 7.1 RENAL BLOOD FLOW 77	AN Dissection 47.1 – Parts of peritoneal cavity 74		PY 3.18 AMPHIBIAN CARDIAC MUSCLE EXPERIMENTS PY 3.18 32	
	Day 3 WEDNESDAY 25.12.19	CHRISTMAS					BI11.8 , BI11.22 Estimation of serum albumin and calculate A:G ratio 62	
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	Day 5 FRIDAY 27.12.19	PY 7.2 GLOMERULAR FILTRATION RATE AND FACTORS AFFECTING 80	AN 47.3, 47.4 - Ascites, peritonitis, subphrenic abscess 75	ECE – BI 12 Peard ward – Neonatal Jaundice case				PY 7.2 REGULATION OF GLOMERULAR FILTRATION RATE 34
	Day 6 SATURDAY 28.12.19	Sports/ Extracurricular activity 16	PY 4.4 DIGESTION AND ABSORBTION	AN 47.5 – Duodenum 76	AN SGD - 47.5 – Orientation of viscera of abdomen 75			BI11.2 -SGD Describe the preparation of buffers and estimation of Ph 64

	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
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	Day 2 TUESDAY 31.12.19	NEW YEAR				Lunch break	
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	Day 5 FRIDAY 3.01.20	PY 7.3 MECHANISM OF URINE FORMATION AND DILUTION 83	AN 47.5 –Liver 78	ECE –AN 15 Inguinal hernia, Femoral hernia			PY 7.3 MECHANISM OF URINE FORMATION AND DILUTION ,DIURESIS AND DIURETICS 36
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	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
Jan Week 19	Day 1 MONDAY 6.01.20	PY 7.5 ACIDIFICATION OF URINE 84	AN - SDL Intestines 16	AN 47.6, 47.7 – Applied anatomy of abdominal organs, Calot’s triangle 80	AN Dissection 47.9 - Ventral branches of the abdominal aorta, common iliac artery 78	Lunch break	Practical’s- Batches A,B,C AN – 52.3 – Hist – Cardioesophageal junction, corpus luteum 79
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	Day 3 WEDNESDAY 8.01.20	AN 47.13, 47.14 – The diaphragm 82	PY 7.3 MECHANISM OF URINE FORMATION 32	PY 7.3 MECHANISM OF URINE FORMATION 32	AN - dissection 48.1 – Pelvic diaphragm 81		BI11.4 Perform urine analysis to estimate and determine normal constituents 70
	Day 4 THURSDAY 9.01.20	BI6.8-DLVI-IM,PA Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders. 35	PY 7.6 PHYSIOLOGY OF MICTURITION 86	PY 7.9 CYSTOMETRY AND CYSTOMETROGRAM 87	Assessment PY 22		AN– SGD – 48.2 – Pelvic viscera 82
	Day 5 FRIDAY 10.01.20	PY DL PY 7.4 RENAL CLEARANCE 88	AN – 48.3, 48.4 – Intenal iliac artery, Sacral plexus 83	ECE –PY 15 VISIT TO HOSPITAL TO STUDY DIALYSIS HEMODIALYZER 15			PY 7.8 RFT H.INT BIO PY 7.7 RENAL FAILURE DIALYSIS RENAL TRANSPLANTATION V.INT GEN MED 38
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	Day 2 TUESDAY 14.01.20						Lunch break
	Day 3 WEDNESDAY 15.01.20						
	Day 4 THURSDAY 16.01.20						
	Day 5 FRIDAY 17.01.20						
	Day 6 SATURDAY 18.01.20						

	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
Jan Week 21	Day 1 MONDAY 20.01.20	PY 10.1 FUNCTIONAL ORGANIZATION OF THE NERVOUS SYSTEM H.INT ANATOMY 89	AN –SDL – Bony Pelvis 17	AN – 48.5, 48.6, 48.7 – Urinary bladder, prostate 85	AN – Dissection – 48.3, 48.4 – Internal iliac artery, sacral plexus 83	Lunch break	Practical's- Batches A,B,C
	Day 2 TUESDAY 21.01.20	AN – 49.1 – Perineal pouches 86	BI6.9-DLVI-IM Minerals, Na, K, Cl their metabolism, homeostasis and associated disorders. 36	PY 10.2 SYNAPTIC TRANSMISSION 90	AN – Dissection – 49.1 – Perineal pouches 85		PY 3.15 EFFECT OF MILD MODERATE SEVERE EXERCISE ICARDIO RESPIRATORY PARAMETERS 36
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	Day 4 THURSDAY 23.01.20	BI11.17-DL Explain the basis and rationale of biochemical tests done in renal failure, proteinuria nephrotic syndrome. 37	PY 10.2 SYNAPTIC TRANSMISSION 91	PY 10.3PHYSIOLOGY OF RECEPTORS AND SENSORY COMMUNICATION TO SPINA CORD 92	Assessment BI 24		AN– SGD – 49.4, 5 – Anal region 87
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	Day 2 TUESDAY 28.01.20	AN – 52.4 to 52.8 – Development of the abdominal organs – Urinary system 91	Linker Renal function tests- case of renal failure 38	PY 10.3 ASCENDING PATHWAYS 95	AN – Dissection – 51.1, 2 – Planes of the abdomen, pelvis section 90		PY 3.16 HARVARD STEP TEST 38
	Day 3 WEDNESDAY 29.01.20	AN – 52.4 to 52.8 – Development of the abdominal organs – Urinary system II 92	PY 10.3 ASCENDING PATHWAYS 36	PY 10.3 ASCENDING PATHWAYS 36	AN – Demonstration – 26.5, 7 – Cervical vertebrae 91		BI11.7, BI11.21, BI11.22 - Demonstrate estimation of creatinine in serum Calculate creatinine Clearance 78
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	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
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	Day 6 SATURDAY 8.02.20	Sports/ Extracurricular activity 21	PY 10.9 SPEECH 13	AN 27.1 – Scalp – Applied anatomy 100	CM1.7 –DL&SGD 30 Describe in detail about special indicator series		BI6.5 –SGD Biochemical role of vitamin Biotin & its deficiency. Role of dietary nutrients in metabolic processes. 84

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	Day 5 FRIDAY 14.02.20	PY 10.5 RETICULAR ACTIVATING SYSTEM 108	AN 28.3, 8 –VI - G.S.- Vessels on the face, deep facial vein 104	ECE-PY 18 VISIT TO NEUROLOGY DEPARTMENT TO STUDY NEUROLOGICAL ABNORMALITIES 18			PY 10.7 BASAL GANGLIA 46
	Day 6 SATURDAY 15.02.20	Sports/ Extracurricular activity 22	BI5.4 –SDL-12 Phenylalanine & tyrosine metabolism & disorders	AN 28.4, 7 – Facial nerve and its distribution on the face 105	CM1.8-DL&SGD 32 Describe about the demographic cycle. Discuss about the world population trends Discuss about the demographic trends in India. Describe about the demographic indicators and its impact on health		BI5.4 –SGD Important compounds obtained from tyrosine metabolism. 88

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	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
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	Day 2 TUESDAY 14.07.20	AN 18.4 to 18.7 – Knee joint, locking and unlocking, osteoarthritis 199	BI8.5 –DL Nutritional importance of commonly used items of food (fruits &Vegetables) 80	Py 11.1 Regulation of respiration 171	AN - Dissection - 19.1 to 19.7 – Back of the leg and sole of the foot 202		PY 2.11 DLC REVISION 82
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	Day 3 WEDNESDAY 22.07.20	ANATOMY THEORY – Paper II					
	Day 4 THURSDAY 23.07.20	PREPARATION HOLIDAY					
	Day 5 FRIDAY 24.07.20	BIOCHEMISTRY THEORY – Paper I					
	Day 6 SATURDAY 25.07.20	BIOCHEMISTRY THEORY – Paper II					

	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
July-Aug Week 48	Day 1 MONDAY 27.07.20	PHYSIOLOGY THEORY - Paper I					
	Day 2 TUESDAY 28.07.20	PHYSIOLOGY THEORY - Paper II					
	Day 3 WEDNESDAY 29.07.20	AN 20.3, 4, 5 – Fascia lata, venous and lymphatic drainage of the lower limb, DVT 204	PY4.5 & 4.9 GIT HORMONES AND CLINICALASPECT 67	PY4.5 & 4.9 GIT HORMONES AND CLINICALASPECT 68	AN – Dissection – Revision of Lower limb specimens 208	Lunch break	BI11.9, BI11.10 Practical tutorial estimation of serum total cholesterol, HDL-cholesterol and triglycerides - 172
	Day 4 THURSDAY 30.07.20	Bi19.1-BI19.3 – Tutorials Extracellular Matrix-173	PY 7.2 JUXTA GLOMERULAR APPARATUS AND RAS 175	PY 7.2 JUXTA GLOMERULAR APPARATUS AND RAS 176	AN – Dissection – Revision of abdomen and pelvis specimens 209		AN - SGD 20.6, 10 – Radiology, development of the lower limb 210
	Day 5 FRIDAY 31.07.20	BAKRID					
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	Day 4 THURSDAY 6.08.20	BI7.1-BI7.4 Tutorials Molecular biology - 176	PY 6.6 PATHOPHYSIOLOGY OF DYSPOEA HYPOXIA 177	PY6.6 CYANOSIS & ASPHYXIA 178	BI7.1-BI7.4 Tutorials Molecular biology - 178	AN -SGD - 12.5 to 12.10- Palm of the hand- Revision 211		
	Day 5 FRIDAY 7.08.20	PY 6.4 DROWNING AND PERIODIC BREATHING 179	AN 44.4, 44.5 – Inguinal canal tutorial 206	ECE – BI 33 Central lab – diagnostic Markers		Py-5.15 Clinical examination of CVS 104		
	Day 6 SATURDAY 8.08.20	Sports/ Extracurricular activity 53	Sports/ Extracurricular activity 54	AN 24.2, 24.3 – Lungs and bronchopulmonary segments tutorial 207	AN – Dissection – Revision of Head and Neck specimens 212	BI4.1-BI4.7 Tutorials Chemistry and Metabolism of Lipids -180		

Aug Week 50	Day 1 MONDAY 10.08.20	Sports/ Extracurricular Activity 55	AN – SDL - 10.2,3 Axillary artery, Brachial plexus 41	AN 76.1 to 77.3 – General Embryology Revision 208	AN 77.4 to 79.6 – General Embryology Revision 213	Lunch break	Practical's- Batches A,B,C
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	Day 3 WEDNESDAY 12.08.20	AN 12.11 to 12.15 Upper limb – Revision 211	PY 5.10 REGIONAL CIRCULATION 70	PY 5.10 REGIONAL CIRCULATION 70	AN 15.1 to 18.7 - Dissection - Lower limb – Revision 216		Py – 6.9 Clinical examination of respiration 82
	Day 4 THURSDAY 13.08.20	BI2.1-BI2.7 Tutorials Enzyme -184	PY 6.2 MECHANICS OF BREATHING 181	PY 6.2 LUNG VOLUMES AND CAPACITIES 182	PY DL PY 6.2 RESPIRATORY MEMBRANE 180		BI11.20 Practical tutorials Abnormal constituents in urine 183
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	Day 4 THURSDAY 20.08.20	BI6.13-BI6.15 Tutorials Kidney and liver -188	PY 5.9 REGULATION OF CARDIAC OUTPUT 184	PY 5.9 REGULATION OF CARDIAC OUTPUT 185	BI6.13-BI6.15 Tutorials thyroid and adrenal glands 190		BI11.8 Practical tutorials Estimation of serum proteins, albumin and A:G ratio - 187
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	Day	8-9AM	9-10AM	10-11 AM	11AM-1.00 PM	1-2PM	2-4PM
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	Day 4 THURSDAY 27.08.20	BI7.7 Tutorials Describe the role of oxidative stress in the pathogenesis of - cancer, & complications of diabetes mellitus -196	PY 5.1 CONDUCTING SYSTEM OF THE HEART 189	PY 5.1 CONDUCTING SYSTEM OF THE HEART 190	PY 5.1 FUNCTIONAL ANATOMY OF THE HEART 183		Anatomy -SGD36.1 to 36.5 – Mouth, pharynx and palate- revision 228
	Day 5 FRIDAY 28.08.20	PY 5.2 PROPERTIES OF CARDIAC MUSCLE 191	AN 47.5 stomach tutorial 222	ECE – BI 36 GM Ward- complications of DM			PY 5.2 PROPERTIES OF CARDIAC MUSCLE 110
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