

BLOCK I –BATCH 2019-20
R G KAR MEDICAL COLLEGE & HOSPITAL, KOLKATA

Time	02. 03. 19	Day 1 03.09.19 Tue	Day 2 04.09.19 Wed	Day 3 05.09.19 Thurs	Day 4 06.09.19 Fri	Day 5 07.09.19 Sat	Day 6 09.09.19 Mon	Day 7 11.09.19 Wed	Day 8 12.09.19 Thurs
8 -9am	INTRODUCTION TO PHASE I OF ANATOMY, PHYSIOLOGY & BIOCHEMISTRY & CM.	AN 1.1 Terminologies in Anatomy Lecture Hall: 4	BI 1.1 (HI-PY 1.1) Structure & functions of the cell & sub-cellular organelles	PY 1.1,1.3,1.4,1.9 (VI-PA) Cell- functions, communications	BI 1.1 (HI-PY 1.1, 1.3) Fluid mosaic model, cell junctions, inter cellular connection	AETCOM Module 1.4	BI 3.1 Carbohydrates – Importance, Classification, Monosaccharides	BI 3.1 Reactions of Monosaccharides & Disaccharides	PY 1.5 Transport across the cell
9 – 11am		AN 65.1,65.2 Introduction to Microscope Epithelium	AN 77.1 to 77.6 Embryology / First Week of Human development	BI 11.1 Commonly used lab equipments, safety, waste disposal	AN 65.1, 65.2, 66.1, 66.2 Basic tissues Histology of connective tissue	CM 1.1 Concepts of Health	BI 11.6 Colorimetry and spectro photometry	Histology Basic tissues- Bone & cartilage (A)	PY 2.11 Microscope & Hemocytomete r Hematology lab
11-12noon		AN 75.1 to 75.5 Case1 Intro-Down’s Syndrome: Cell division, inheritance & applied genetics	PY 1.2 Homeostasis & its Disturbances	AN 79.1 to 79.6 Embryology Third week of Human Development	PY 1.6 (HI-BI) Body fluid compartments	Community medicine tutorials	AN 7.1 to 7.8 Nervous system: Peripheral Nervous system	AN 6.1 to 6.3 Lymphatic System	AN 9.2 Pectoral Region - II
1 – 2pm		AN 76.1,76.2 Embryology Introduction	AN 78.1 to 78.5 Embryology – Second Week of Human Development	AN 3.1- 3.3(HI-PY) Muscular system	AN 7.1 to 7.8 Nervous system: Central Nervous system		AN 5.1 to 5.8 Blood vessels(A)	AN 9.1 Introduction to upper limb- Pectoral region- I	AN 10.1 to 10.2 Gross Anatomy Axilla I
2-4pm		AETCOM Module 1.5 Part 1 Oath taking	AN 4.1 Composition of Human body – Basic structure	AN 2.1 to 2.6 Bone and Joint	AN 13.1 to 13.7 Introduction to Osteology , Embryology, Surface marking, Histology, Radiological anatomy	XX	AN 9.1 Dissection of Pectoral region	AN 9.2 Dissection Pectoral region	ECE AN 75.1 Case1 Resolution – Down’s Syndrome: (Small Group)

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Time	Day 9 13.09.19 Fri	Day 10 14.09.19 Sat	Day 11 16.09.19 Mon	Day 12 17.09.19 Tue	Day 13 18.09.19 Wed	Day 14 19.09.19 Thurs	Day 15 20.09.19 Fri	Day 16 21.09.19 Sat	Day 17 23.09.19 Mon	Day 18 24.09.19 Tue
8-9am	AN 79.1 to 79.6 Embryology 4th – 8th Weeks	AETCOM	ECE AN 10.5,10.6 Case2 Resolution - Thoracic outlet syndrome Large Group: LH	BI 5.1 Proteins – Definition, Importance & Classification	BI 5.1, 11.16, 11.19 Amino acids, classification, reactions, chromatography	PY 3.4, 3.6(VI- AS, PA) Case4 Introduction MG NMJ & Transmission	ECE – Hospital visit	AETCOM 1.4 Part II	AN 10.12(VI- SU) Shoulder joint	AN 11.5,11.6 Cubital fossa
9 – 11am	BI 11.16 Observe auto analyser and use of QC		AN 65.1,65.2 Introduction to microscope	PY 11.13 General Examination	PY 3.14 Ergography	AN 67.1-67.3 Histology Basic tissues Nervous tissues			S 67 A PY 11.13 General Examination Revision	AN 67.1-67.3 Histology Basic tissues Muscles
11-12 noon	AN 10.3 Axilla - II	Physiology Tutorials	BI 3.1 Carbohydrate – polysaccharides	PY 3.8,1.8 Bioelectric Potential AP / RMP	PY 3.8,3.13 , 3.17 (VI-IM, HI –AN) properties of muscle , SDC	AN 11.1-11.4 Gross Anatomy Arm		PY 3.5, 3.6(VI- AS, PH, PA) Drugs acting at NMJ & MG	BI 4.1(VI-IM) Lipids – Classification & Fatty acid reactions	BI 4.1 (VI-IM) Lipids – phospholipids, cholesterol, lipoproteins
1 – 2pm	AN 10.5, 10.6 Case2 Introduction Thoracic outlet syndrome Brachial plexus		AN 10.10 to 10.13 Gross Anatomy Scapular region	PY 3.7, 3.13 (VI- IM, HI –AN) Case3 Introduction DMD : Structure of muscle and Muscle proteins	AN 10.10 Gross Anatomy Deltoid region	BI 5.1 Proteins – structure Isoelectric pH, Denaturation, sequencing	CM 1.2 Concepts of disease	ECE PY 3.6 Case 4 Resolution: Myasthenia gravis Large Group	PY 3.9 Molecular basis of skeletal muscle contraction	PY 3.11, 3.15(HI- BI) Changes during muscle contraction & Exercise Metabolism
2-4pm	AN 10.3 Dissection – Axilla - I	XX	AN 10.3 – 10.13 Dissection – Axilla - II	Physiology Tutorial	AN 10.3-10.13 Dissection: Brachial plexus	AN 11.1,11.2 Dissection Scapular region	AN 11.1,11.2 Dissection Deltoid region	XX	AN 11.1-11.3 Dissection Arm	AN 10.12 Dissection - Shoulder joint

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Time	Day 18 25.09.19 Wed	Day 19 26.09.19 Thurs	Day 20 27.09.19 Fri	Day 21 30.09.19 Mon	Day 22 1.10.19 Tue	Day 23 16.10.19 Wed	Day 24 17.10.19 Thurs	Day 25 18.10.19 Fri
8-9 am	PY 3.10, 3.12(VI-IM) Types & grades of muscle contraction	Physiology Revision(GP & Muscle)	PY 2.1, 2.2(HI-BI) Case 5 Introduction: Aplastic Anemia Components of blood, Plasma proteins	BI 5.2, 6.12(HI-PY, VI- PA,IM) Structure & function of Hb & Myoglobin	BI 6.5 (VI-IM) Vitamins B12 & Folic acid	AETCOM 1.1- Part I Exploratory Session	ECE	BI 2.3 Enzymes-kinetics, mechanism, factors affecting enzyme activity
9-11 am	PY 3.14 Ergography Revision	Biochemistry Tutorials	PY 2.11(VI-PA) RBC Count	PY 2.12(VI-PA) Hb, PCV and blood indices	PY 2.12, 2.13(VI- PA) Reticulocyte count/Osmotic Fragility	Community Medicine Tutorials		PY 2.12(VI-PA) ESR & Revision
11-12noon	PY 3.9 Molecular basis of smooth muscle contraction	CM 8.1,8.3 Definition & Global burden of anemia	PY 2.4 Structure and functions of RBC. Erythropoiesis –I	PY 2.4 Erythropoiesis –II	AN 13.3 Elbow joint & anastamosis	AN 12.2 Radial Nerve and Radial Artery		AN 13.3,13.4 Other joints of upper limb
1-2pm	CM 1.3 Disease Dynamics	AN 12.1,12.2 Front of forearm	AN 12.11,12.12 Back of forearm(A)	BI 5.2, 6.12(HI-PY, VI- PA,IM) Abnormal Hb – its genetic basis	BI 6.9,6.10 (HI- PY,VI-IM) Iron metabolism	CM 8.3 Prevention of anaemia	AN 12.2 Nerves and Vessels of Forearm	CM 1.5 Prevention and control of disease
2 – 4pm	PY3.13(VI-IM, HI-AN) Case3 Resolution - DMD (Small group)	AN 11.5 Dissection - Cubital fossa	AN 12.1,12.2 Dissection forearm	AN 12.1,12.2 Dissection forearm	PY 3.18 Charts (GP & Muscle)	AN 13.3-13.5 Dissection of elbow joint & other joints of Upper Limb	AITo - Anaemia	Anatomy Tutorials

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Time	Day 26 19.10.19 Sat	Day 27 21.10.19 Mon	Day 28 22.10.19 Tues	Day 29 23.10.19 Wed	Day 30 24.10.19 Thurs	Day 31 25.10.19 Fri	Day 32 26.10.19 Sat
8-9 am	BI 2.1 Enzymes- classification, coenzymes	AN 12.3-12.6 Case 6 introduction: Carpel Tunnel Syndrome Palm I	AN 12.12-12.15 Palm - III Case resolution 6: Carpel Tunnel Syndrome(Large Group)	BI.2.5,11.17 (VI- PA,IM) Isoenzymes , Enzymes of clinical importance	AN 12.12-12.15 dorsum of hand	BI 10.3(VI-OG, SU, PA) Immunoglobulins & Electrophoresis	PY2.8 (VI-PA) Hemostasis Anticoagulants Disorders
9-11 am	AETCOM 1.1-Part -II	BI 2.2,11.13 Est of SGOT,SGPT	PY 2.11(VI-PA) TLC	BI 2.7 (VI-PA,IM) Biochemistry charts	PY 2.11(VI-PA) DLC	Biochemistry tutorials	PY 2.11 Blood Group
11-12 noon	Physiology Tutorials	BI 2.4 (VI-PA,IM) Enzyme inhibition	BI 2.6 (VI-PA,IM) Enzyme regulation	PY 2.6 WBC leucopoiesis & functions	PY 2.10 Humoral Immunity	BI10.3,10.4,10.5 (HI- PY, VI-OG, MI, SU,PA,IM,PE) Immune response & vaccine	BI 6.5 (VI-IM) Vitamins – riboflavin & Niacin
1-2 pm		AN 12.7-12.12 Palm II	AN 1.5,13.6 Osteology & Radiological Anatomy	PY2.10 Cellular Immunity	AN 13.5,13.6 Osteology & Radiological Anatomy	PY 2.7 Platelets synthesis and function	AN 80.1-80.7 Embryology Placenta and Fetal membranes
2-4 pm	xx	AN 12.3-12.12 Dissection of palm	Physiology Tutorial	AN 12.12-12.15 Dissection Palm – II	AN 12.12-12.15 Dissection of dorsum of hand	AN 13.5,13.6 Surface Anatomy of upper limb	XX

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Time	Day 33 31.10.19 Thurs	Day 34 01.11.19 Fri	Day 35 04.11.19 Mon	Day 36 05.11.19 Tue	Day 37 06.11.19 Wed	Day 38 07.11.19 Thurs	Day 39 08.11.19 Fri
8-9 am	ECE	AETCOM 1.1 Part III	Physiology- Blood Revision	Anatomy Revision	ECE	AETCOM Module 1.2 Part I	PY 8.6 Mechanism of Hormonal action
9-11 am			AN 70.1,70.2 Histology of Lymphoid organs (A)	PY 2.11,2.13 (VI-PA) BT/CT &Platelet Count			PY 10.11 CNS Examination- Higher mental functions
11-12 noon		AN 10.4,11.3 Veins & lymphatics of upper limb	BI 6.2 Reactions involving nucleotides	Biochemistry Theory Revision			PY 8.2 Hypothalamo Hypophyseal System
1 -2 pm	BI6.5 (VI-IM) Vitamins K & Thiamin	PY2.9 (VI-PA) Blood group I	PY2.9 (VI-PA) Blood group II	AN 13.1-13.7 Osteology & Radiological Anatomy	ECE PY 8.1-8.6 Introduction to Endocrinology (General Medicine)	Introduction to lower limb front of thigh and great saphenous vein	CM 8.2 Introduction to Non- communicable diseases- Endocrine Disorders
2-4 pm	AN 13.6 Surface Anatomy of upper limb	PY 2.8 (VI-PA) Seminar – Coagulation disorders	PY 2.5 (VI-PA; HI-BI) Case 5 Resolution : Aplastic Anemia	Anatomy dissection revision	Biochemistry Tutorials	Physiology Tutorials	Dissection – Front Of Thigh

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Time	Day 31 9.11.2019 Sat	Day 32 11.11.2019 Mon	Day 33 13.11.2019 Wed	Day 34 14.11.2019 Thurs	Day 35 15.11.2019 Fri	Day 36 16.11.2019 Sat	Day 37 18.11.2019 Mon
8 -9 am	PY 8.2 Case 7 Introduction (Panhyo pituitarism) Neuro Hypophysis	Hip Joint	BI 6.5(VI-IM) Vitamin D	BI 11.16 Colorimetry	BI 6.6 Biological oxidation, high energy compounds, components of ETC	Gluteal Region –II	BI 3.1-3.3 Digestion of of carbohydrates
9 – 11 am	Histology of pituitary glands	PY 10.11 CNS Examination- Sensory system	Histology of Thyroid, parathyroid	BI 11.11 Estimation of calcium & phosphorus	PY 10.11 CNS Examination – sensory system	PY 10.11 CNS Examination – sensory system	Community medicine tutorials
11- 12 noon	Front and medial side of Thigh, Femoral triangle	PY 8.2 Adeno hypophysis - II	PY 8.2,8.4 (HI-BI) Thyroid Functions & disorders	PY 8.1, 8.2 Functions of PTH	Gluteal region -1	BI 6.6 Oxidative phosphorylation, chemiosmoticTheory, shuttle pathways	BACK OF THIGH (A)
1 – 2 pm	PY 8.2 Adeno hypophysis I	PY 8.2 Synthesis & mechanism of action of thyroid hormones	BI 6.9,6.10 (HI-PY,VI- IM) Calcium & Phosphorus	PY 8.3 Thymus & Pineal gland	Osteology: Hip Bone and Femur	Osteology Patella, Tibia	Popliteal fossa
2 -4 pm	xx	Dissection - Front & Medial side of Thigh	Dissection – Femoral Triangle	Dissection Gluteal Region	Dissection – Back of Thigh	XX	Dissection – Popliteal Fossa

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Time	Day 38 19.11.2019 Tues	Day 39 20.11.2019 WEd	Day 40 21.11.2019 Thurs	Day 41 22.11.2019 Fri	Day 42 23.11.2019 Sat	Day 43 25.11.2019 Mon
8 -9 am	BI 3.4,3.7,3.8 (VI-IM) Glycolysis, pyruvate dehydrogenase complex	ECE	AETCOM Module 1.2 Part II	BI 3.4,3.7,3.8 (VI-IM) Fructose & Galactose Metabolism	Knee joint & anastomosis II	Anterior compartment of Leg
9 – 11 am	PY 8.2,8.4 Seminar on Thyroid disorders			Histology - suprarenal gland, revision (A) Histology lab	PY 10.11 CNS Examination- Motor system	BI 11.21 Estimation of glucose , glucometer
11 - 12 noon	Knee joint & anastomosis I			PY 8.2,8.4(HI-BI) Adrenal cortical Hormones-I Glucocorticoids and applied aspects	BI 3.4,3.7,3.8 (VI-IM) Gluconeogenesis	Posterior compartment of leg
1- 2 pm	BI 3.6 Citric acid cycle	BI 3.4,3.7,3.8 (VI-IM) Glycogen Metabolism and disorders	ECE PY 11.6,11.9,11.10 Infancy, growth chart(Paediatrics)	PY 11.7 Physiology of Aging	Lateral Compartment of leg	PY 8.2 Endocrine functions of Skin, Kidney & heart
2 -4 pm	Dissection – knee joint	Dissection – Knee Joint	Osteology – Fibula and tarsal bones, Surface marking & Radiological Anatomy	Dissection – lateral compartment of Leg	xx	Dissection - Posterior compartment leg

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Time	Day 44 25.11.2019 Mon	Day 45 26.11.2019 Tue	Day 46 27.11.2019 Wed	Day 47 28.11.2019 Thurs	Day 48 29.11.2019 Fri
8 -9 am	Pharmaco-physiology of Anti diabetic drugs (Pharmacology)	PY 8.2,8.4(HI-BI) Case 8 Introduction – Diabetes mellitus Functions of Insulin & Glucagon – I	BI 3.9,11.17(VI-PA,IM) Plasma glucose regulation, Diabetes Mellitus	Dorsum of Foot	Biochemistry Revision
9 – 11 am	PY 10.11 CNS Examination- Motor system	Community Medicine tutorials	PY 10.11 CNS Examination- Motor system	Biochemistry tutorial	Physiology Tutorial-III
11 - 12 noon	PY 8.2,8.4(HI-BI) Adrenal cortical Hormones- II Mineralocorticoids & regulation & applied aspects	PY 8.2,8.4(HI-BI) Functions of Insulin & Glucagon – II	Ankle Joint & Subtalar joint	BI 3.10 (VI-IM) Biochemistry Charts	Case 10 Introduction Varicose Veins Sole
1-2 pm	PY 8.2,8.4,8.5(HI-BI) Adrenal Medullary hormones	BI 6.13-6.15,11.17 (HI-AN,PY; VI-PA,IM) Case 9- Introduction G6PD Deficiency Thyrod function Test & Adrenal function tests	BI 3.4,3.7,3.8(VI-IM,PA) Case 9 Large Group Case Resolution (G6PD deficiency) HMP pathway and uronic acid pathway	PY 8.5,11.5 Obesity, metabolic syndrome	Arches of foot
2 -4 pm	Dissection Revision	Physiology endocrine charts	Dissection – Ankle joint	ECE PY 8.2 Case resolution 7 – small group (Panhypopituitarism)	Anatomy tutorials

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Time	Day 49 30.11.2019 Sat
8 -9 am	Inversion & Eversion of Foot
9 – 11 am	BI 11.17 Case resolution 8 – small group (Diabetes Mellitus)
11 - 12 noon	Physiology Revision
1-2 pm	Case10 Large Group Case Resolution (Varicose Veins) Lymphatic drainage and venous drainage of lower limb
2 -4 pm	XX

FIRST IA
02.12.2019
to
14.12.2019