



ESI-PGIMSR & ESIC MEDICAL COLLEGE
ESIC Hospital & ODC (EZ)
Diamond Harbour Road, P.O. Joka, Kolkata - 700104

BLOCK 1 BATCH 2019-2020

GENERAL ANATOMY, UPPER LIMB, GENREAL PHYSIOLOGY & MUSCULO SKELETAL SYSTEM & BLOOD, GENERAL BIOCHEMISTRY, ENZYMES &Hb CHEMISTRY

Time	Day 1 02.09.19 Mon	Day 2 03.09.19 Tues	Day 3 04.09.19 Wed	Day 4 05.09.19 Thurs	Day 5 06.09.19 Fri	Day 6 07.09.19 Sat
8 AM-9 AM	AN 1.1 Terminologies in Anatomy Lecture Hall: 1	PY1.6: Body fluid compartments, its ionic composition and measurement	AN 76.1,76.2, 77.1 to 77.6 Introduction to Embryology and Embryology / First Week of Human development	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 1.4 Part 1
9 AM-10 AM	PY 1.1Mammalian cell structure, cell organelle, outline of cell membrane structure, composition & Function	AN 65.1,65.2 AN 1.1b Describe a light microscope, its parts, uses and handling with tissue preparation (ALT) Introduction to Microscope Epithelium-	PY 1.2 Homeostasis & its Disturbances	AN 79.1 to 79.6 Embryology Third week of Human Development	AN 2.1 to 2.6 Bone and Joint	
10 AM-11 AM	BI 1.1 (HI-PY 1.1) Structure & functions of the cell & sub-cellular organelles	AN 76.1 , 76.2 Describe the stages of human life (ALT)- Embryology Introduction	AN 78.1 to 78.5 Embryology – Second Week of Human Development	PY 1.6 (HI-BI) Body fluid compartments	AN 3.1- 3.3(HI-PY) Muscular system	CM 2.1 Clinco social, cultural, demographic assessment of individual/family community
11AM-1 PM	AETCOM Module 1.5 Part 1 Oath	AN 4.1 Composition of Human body – Basic structure	AN 65.1, 65.2, 66.1, 66.2, Basic tissues		ECE*- Early Clinical Exposure	AN 13.1 to 13.7 Introduction to Osteology , Embryology, Surface marking, Histology,

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	taking		Histology of epithelial and connective tissue			Radiological anatomy: Group C/ BI 11.1 Commonly used lab equipments, safety, waste disposal- Group B/ PY 2.11 Microscope & Hemocytometer Hematology lab- Group A
2 PM-4 PM	AN1.1 Describe normal anatomical position, various planes, relation, comparison, laterality & movement in our body. (ALT)- All students	PY 2.11 Introduction to Physiology and Total count RBC-Microscope & Hemocytometer Hematology lab- All Students	Bi1.1: SGD-1: Describe the Molecular and functional organization of cell and subcellular organelles- All Students	AN 13.1 to 13.7 Introduction to Osteology, Embryology, Surface marking, Histology, Radiological anatomy: Group B/ BI 11.1 Commonly used lab equipments, safety, waste disposal- Group C/ PY 2.11 Microscope & Hemocytometer Hematology lab- Group A	AN 13.1 to 13.7 Introduction to Osteology, Embryology, Surface marking, Histology, Radiological anatomy: Group A/ BI 11.1 Commonly used lab equipments, safety, waste disposal- Group B/ PY 2.11 Microscope & Hemocytometer Hematology lab- Group C	Half day

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Time	Day 7 09.09.19 Mon		Day 8 11.09.19 Wed	Day 9 12.09.19 Thurs	Day 10 13.09.19 Fri	Day 11 14.09.19 Sat
8-9	AN 7.1 to 7.8 Nervous system: Central Nervous system	10.9.2019 Tuesday	AN 9.1 Introduction to upper limb- Pectoral region- II	AN 3.1- 3.3(HI- PY) Muscular system	BI 3.1 Reactions of Monosaccharides & Disaccharides	AETCOM 1.4 Part 2
9-10	PY 1.5 Transport across the cell- I	Holiday	BI 3.1 Carbohydrates – Importance, Classification, Monosaccharides	AN 6.1 to 6.3 Lymphatic System	PY 3.4, 3.6(VI- AS, PA) Introduction MG NMJ & Transmission	
10-11	AN 9.1 Introduction to upper limb- Pectoral region- I		AN 7.1 to 7.8 Nervous system: Peripheral Nervous system	PY 3.1 & 3.2 Neuron, Neuroglia & Nerve Fibers	AN 5.1 to 5.8 Blood vessels(A)	BI 11.6 Colorimetry and spectro photometry
11-1	BI 1.1 (HI-PY 1.1) Structure & functions of the cell & sub-cellular organelles		PY 1.5 Transport across the cell- II	AN 10.1 to 10.2 Gross Anatomy Axilla I	ECE*	AN 10.3 Gross Anatomy Axilla /Physiology Tutorials/ BI 11.16 Observe auto analyser and use of QC
2-4	AN 9.2 Dissection Pectoral region- All Students		AN 7.1 to 7.8 AN 3.1- 3.3(HI-PY) Histology: Bone, Cartilage, Muscular system Nervous system: Central Nervous system- All Students	AN 10.3 Gross Anatomy Axilla /Physiology Tutorials/ BI 11.16 Observe auto analyser and use of QC	AN 10.3 Gross Anatomy Axilla /Physiology Tutorials/ BI 11.16 Observe auto analyser and use of QC	Half Day

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Time	Day 12 16.09.19 Mon	Day 13 17.09.19 Tues	Day 14 18.09.19 Wed	Day 15 19.09.19 Thurs	Day 16 20.09.19 Fri	Day 17 21.09.19 Sat
8 AM-9 AM	AN 10.1 to 10.2 Gross Anatomy Axilla II	PY 3.5, 3.6(VI-AS, PH, PA) Drugs acting at NMJ & MG	AN 10.10 Gross Anatomy Deltoid region	PY 3.8,1.8 Bioelectric Potential AP / RMP	BI 5.1 Proteins – Definition, Importance & Classification	AETCOM 1.4 Part 2
9 AM-10 AM	AN 10.10 Gross Anatomy Deltoid region	BI 3.1 Carbohydrate – polysaccharides	BI 5.1, 11.16, 11.19 Amino acids, classification, reactions, chromatography	AN 10.12(VI- SU) Shoulder joint	PY 3.8,3.13 , 3.17 (VI-IM, HI –AN) properties of muscle , SDC	
10 AM-11 AM	AN 79.1 to 79.6 Embryology 4th – 8th Weeks	AN 10.10 to 10.13 Gross Anatomy Scapular region	AN 11.1-11.4 Gross Anatomy Arm	PY 3.7, 3.13 (VI-IM, HI – AN) Introduction DMD : Structure of muscle and Muscle proteins	AN 11.5,11.6 Cubital fossa	BI 5.1 Proteins – structure Isoelectric pH, Denaturation, sequencing
11AM-1 PM	AN 65.1,65.2 Introduction to microscope-Revision	AN 10.3-10.13 Dissection: Brachial plexus	PY 11.13 General Examination	AN 67.1-67.3 Histology Basic tissues Nervous tissues	ECE	AN 11.1,11.2 Dissection Scapular region/ PY 3.14 Ergography/Biochemistry Tutorials
2 PM-4 PM	AN 10.3 - 10.13Gross Anatomy Axilla/Biochemistry Tutorials/ Physiology Tutorials	AN 10.3 - 10.13Gross Anatomy Axilla/Biochemistry Tutorials/ Physiology Tutorials	AN 10.3 - 10.13Gross Anatomy Axilla/Biochemistry Tutorials/ Physiology Tutorials	AN 11.1,11.2 Dissection Scapular region/ PY 3.14 Ergography/Biochemistry Tutorials	AN 11.1,11.2 Dissection Scapular region/ PY 3.14 Ergography/Biochemistry Tutorials	Half day



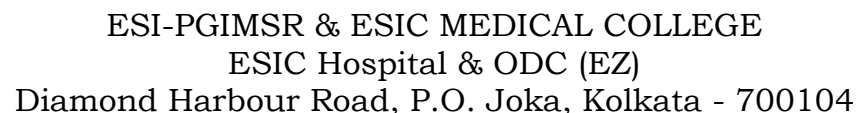
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Time	Day 18 23.09.19 Mon	Day 19 24.09.19 Tues	Day 20 25.09.19 Wed	Day 21 26.09.19 Thurs	Day 22 27.09.19 Fri	Day 23 28.09.19 Sat
8 AM-9 AM	AN 12.1,12.2 Front of forearm	PY 3.5, 3.6(VI-AS, PH, PA) Drugs acting at NMJ & MG	CM 8.1,8.3 Definition & Global burden of anemia	PY 3.9 Molecular basis of skeletal muscle contraction	BI 4.1(VI-IM) Lipids – Classification & Fatty acid reactions	PY 3.11, 3.15(HI-BI) Changes during muscle contraction & Exercise Metabolism
9 AM-10 AM	ECE PY 3.6 Resolution: Case: Myasthenia gravis Large Group	BI 4.1(VI-IM) Lipids – Classification & Fatty acid reactions	BI 4.1 (VI-IM) Lipids – phospholipids, cholesterol, lipoproteins	AN 67.1-67.3 Histology Basic tissues Muscles	PY 3.9 Molecular basis of smooth muscle contraction	
10 AM-11 AM	AN 12.1,12.2 Front of forearm	AN 11.1-11.3,10.12 Dissection Arm, Shoulder Joint	AN 12.11,12.12 Back of forearm(A)	PY 3.10, 3.12(VI-IM) Types & grades of muscle contraction	AN 13.3 Elbow joint &anastamosis	CM 2.2 Socio cultural factors, family types, roll in health & disease
11AM-1 PM	Biochemistry Tutorials	AN 11.1-11.3,10.12 Dissection Arm, Shoulder Joint	PY 11.13 General Examination Revision	AN 75.1 Case1 Resolution – Down's Syndrome: (Small Group)	ECE	AN 11.5 Dissection - Cubital fossa/ PY 2.11(VI-PA) RBC Count/
2 PM-4 PM	AN 11.1,11.2 Dissection Deltoid region/PY 3.14 Ergography Revision/Biochemistry Tutorials	AN 11.1,11.2 Dissection Deltoid region/PY 3.14 Ergography Revision/Biochemistry Tutorials	AN 11.1,11.2 Dissection Deltoid region/PY 3.14 Ergography Revision/Biochemistry Tutorials	AN 11.5 Dissection - Cubital fossa/ PY 2.11(VI-PA) RBC Count/	AN 11.5 Dissection - Cubital fossa/ PY 2.11(VI-PA) RBC Count/	Half day

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Time	Day 31 21.10.19 Mon	Day 32 22.10.19 Tues	Day 33 23.10.19 Wed	Day 34 24.10.19 Thurs	Day 35 25.10.19 Fri	Day 36 26.10.2019 Sat
8 AM-9 AM	AN 12.3-12.6 Case 6 introduction: Carpel Tunnel Syndrome Palm I	PY 2.6 WBC leucopoiesis & functions	CM 2.3 Barriers of good health & health seeking behavio	PY2.10 Cellular Immunity	BI 2.6 (VI-PA,IM) Enzyme regulation	BI 10.3(VI-OG, SU, PA) Immunoglobulins & ElectrophoresisSDL-Physiology
9 AM-10 AM	PY 2.12(VI-PA) ESR & Revision	BI 2.3 Enzymes-kinetics, mechanism, factors affecting enzyme activity	BI 2.4 (VI-PA,IM) Enzyme inhibition	AN 12.12-12.15 dorsum of hand	PY2.8 (VI-PA) Hemostasis Anticoagulants Disorders	
10 AM-11 AM	AN 12.7-12.12 Palm II	AN 12.12-12.15 Palm - III Case resolution 6: Carpel Tunnel Syndrome(Large Group)	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	BI.2.5,11.17 (VI-PA,IM) Isoenzymes , Enzymes of clinical importance
11AM-1 PM	BI 2.2,11.13 Est of SGOT,SGPT		PY 2.11(VI-PA) TLC	AN 13.5,13.6 Osteology & Radiological Anatomy	ECE	AN 12.12-12.15 Dissection of dorsum of hand/PY 2.11 Blood Group/Biochemistry Tutorials
2 PM-4 PM	AN 12.3-12.12 Dissection of palm/PY 2.11(VI-PA) DLC/BI 2.7 (VI-PA,IM) Biochemistry charts	AN 12.3-12.12 Dissection of palm/PY 2.11(VI-PA) DLC/BI 2.7 (VI-PA,IM) Biochemistry charts	AN 12.3-12.12 Dissection of palm/PY 2.11(VI-PA) DLC/BI 2.7 (VI-PA,IM) Biochemistry charts	AN 12.12-12.15 Dissection of dorsum of hand/PY 2.11 Blood Group/Biochemistry Tutorials	AN 12.12-12.15 Dissection of dorsum of hand/PY 2.11 Blood Group/Biochemistry Tutorials	Half day

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Time	Day 37 30.10.19 Wed	Day 38 31.10.19 Thurs	Day 39 1.11.19 Fri	Day 40 2.11.19 Sat	Day 41 4.11.2019 Mon	Day 42 5.11.2019 Tues	Day 43 6.11.2019 Wed
8 AM-9 AM	AN 10.4,11.3 Veins & lymphatics of upper limb	Physiology- Blood SDL	BI 6.2 Reactions involving nucleotides	AETCOM 1.1 Part III	Anatomy -SDL	Physiology-Revision	Biochemistry-Revision
9 AM-10 AM	BI10.3,10.4,10.5 (HI-PY, VI-OG, MI, SU,PA,IM,PE) Immune response & vaccine	AN 70.1,70.2 Histology of Lymphoid organs (A)	Physiology Revision		Physiology- SDL	BI 6.5 (VI-IM) Vitamins – riboflavin & Niacin	BI6.5 (VI-IM) Vitamins K & Thiamin
10 AM-11 AM	AN 13.1-13.7 Osteology & Radiological Anatomy	Physiology Revision Anatomy Revision	Anatomy Revision	Biochemistry Revision	Anatomy-Revision	Anatomy Revision- Practical	Anatomy Revision
11AM-1 PM	PY2.9 (VI-PA) Blood group I PY2.9 (VI-PA) Blood group II		ECE	AN 13.6 Surface Anatomy of upper limb/ PY 2.8 (VI-PA) Seminar – Coagulation disorders/	BI10.3,10.4,10.5 (HI-PY, VI-OG, MI, SU,PA,IM,PE) Immune response & vaccine	Anatomy Revision- Practical	PY 2.5 (VI-PA; HI-BI) Case 5 Resolution : Aplastic Anemia
2 PM-4 PM	Anatomy-Tutorial	AN 13.6 Surface Anatomy of upper limb/PY 2.8 (VI-PA) Seminar – Coagulation disorders	AN 13.6 Surface Anatomy of upper limb/PY 2.8 (VI-PA) Seminar – Coagulation disorders	Half Day	PY 2.11,2.13 (VI-PA) BT/CT & Platelet Count	PY 2.11,2.13 (VI-PA) BT/CT & Platelet Count	PY 2.11,2.13 (VI-PA) BT/CT & Platelet Count

First IA: 7.11.2019 0- 16.11.2019

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