



Sri Ramachandra Medical College & Research Institute
MBBS – Professional Year I (Batch: 2024-2025)
Month 1 - Schedule

Time	28.10.2024 MONDAY	29.10.2024 TUESDAY	DAY 1 30.10.2024 WEDNESDAY	31.10.2024 THURSDAY	01.11.2024 FRIDAY	02.11.2024 SATURDAY
8-9 AM	FOUNDATION COURSE		S1 (L) Introduction of Faculty (All departments)	DEEPAVALI HOLIDAY	DEEPAVALI HOLIDAY	DEEPAVALI HOLIDAY
9-11 AM			S2 (L) (9-10am) AN 1.1 Terminologies in Anatomy			
			S3(L) (10-11am) BC 1.1 Structure & functions of the cell & subcellular organelles Fluid mosaic model, cell junctions			
11 AM – 12 noon			S4 (L) AN1.2, 4.1, 4.2, 4.3, 4.4, 4.5 Composition of Human body – Basic structure, skin & fascia, Composition of bone and bone marrow			
1 – 2 PM			S5 (L) PY 1.1 Cell , Intercellular Communications			
2-4 PM			S6(L) (2-3 PM) PY 1.2, 1.3 Homeostasis, Feedback Mechanisms and apoptosis			
			S7(L) (3-4 PM) AN 2.1, 2.2, 2.3 General features of Bone			

VENUE – LECTURE HALL 4, II FLOOR, 2B - MEDICAL COLLEGE BUILDING



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Time	DAY 2 04.11.2024 MONDAY	DAY 3 05.11.2024 TUESDAY	DAY 4 06.11.2024 WEDNESDAY	DAY 5 07.11.2024 THURSDAY	DAY 6 08.11.2024 FRIDAY	DAY 7 09.11.2024 SATURDAY
8-9 AM	S8(L) AN 2.5 , 2.6 General features of Joints	S14 (L) AN 5.1 to 5.8, 6.1-6.3 General features of CVS and lymphatic system	S20 (LG) AETCOM Module 1.5 Part 1 Cadaveric dissection & ethical aspects	S25(L) AN 15.3, 15.4 Femoral triangle, Boundaries and content	S29(L) PY1.8,3.8 Bioelectric Potentials	S34 (L) BC 6.3 Protein targeting, sorting and associated disorders
9-11 AM	S9(P) FULL BATCH BC 14.20 Phlebotomy, Pre-Analytical, Analytical, Post Analytical errors.	S15A (P) PY 5.12 Recording of BP & Pulse	S21 (SG) AETCOM Module 1.5 Part 1 Cadaveric Oath taking ceremony	S15B (P) BC 14.21 Quality control and L J charts	S30A (P) PY 11.13 General Examination	S35 (LG) FULL BATCH FAP Orientation
11 AM – 12 noon	S10 (L) AN 3.1- 3.3 General features of Muscular system	S16 (L) AN 15.1-15.2, 20.3, 20.4 Front of thigh – fascia, cutaneous vessels & nerves, Muscles	S22 (L) BC 3.1 Carbohydrates Chemistry	S26(L) PY1.5 & PY1.6 Body fluid compartments – Measurement, pH and Buffer Systems	S31 (L) BC 5.2 Proteins structure and Protein sequencing	
1 – 2 PM	S11 (L) BC 6.1 Functions and components of extracellular matrix	S17 (L) BC 6.1 ECM Components in health and diseases	S23 (L) PY1.5 Body fluid compartments – Composition	S27 (L) BC 5.1, 5.2 Classification of Proteins and Amino acids, Isoelectric pH, Denaturation	S32(L) AN15.1,15.2, 15.5 Medial side of thigh, Adductor canal	S36(L) AN 16.1,16.2, 16.3 Gluteal region
2-4 PM	S12 (L) (2-3 PM) PY1.4 Transport across the cell membrane S13 (L)(3-4PM) AN 7.1 to 7.8 General features of Nervous system	S18(L) (2-3 PM) CM 1.1 Concepts of Public health , Community Medicine S19 (L) (3-4 PM) PALLIATIVE CARE	S24 (P) AN 15.1,15.2, 20.3 Dissection – Front of Thigh AN 14.1,14.2 Osteology: Hip bone	S28(P) AN 15.3 Dissection – Femoral Triangle AN 14.1,14.2, 14.3 Osteology: Femur	S33(P) AN 15.1,15.2,15.5, Dissection – adductor canal, medial side of thigh AN 14.1,14.2 Osteology: Patella	S37(P) FULL BATCH Tutorial – GP - CIA

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8-9 AM	S38(L) AN17.1-17.3 Hip Joint	S42 (L) AN 16.4,16.5 Back of thigh and sciatic nerve	S46(L) AN 16.6 Popliteal fossa	S51 (L) (AITo - Anemia) BC 5.8 Structure & function of Hemoglobin & Myoglobin	S55(L) AN 18.4-18.7 Knee joint & anastomosis II	S60 (L) (AITo - Anemia) BC 8.1 Vitamins B12 & Folic acid
9-11 AM	S30B (P) BC14.18 Demonstration of • Protein electrophoresis • TLC, PAGE	S43 FAP 1 FAP (Visit -1 Batch A1, A2) ECE Hospital visit – (Batch A3,A4,A5,B1,B2 ,B3) YOGA- (B4,B5)	S47A (P) PY 11.13 General Examination Revision	S47B (P) BC 14.6 Colorimetry and spectrophotometry	S56A (P) PY 11.13 General Examination CIA	S61 FAP 2 FAP (Visit -1 Batch A3, A4) ECE Hospital visit – (Batch A5,B1,B2 ,B3,B4,B5) YOGA-(A1,A2)
11 AM – 12 noon	S39(L) BC 14.1 Lab safety and biomedical waste management		S48(L) (AITo - Anemia) PY 2.1, 2.2 Case introduction – Anemia Components of blood, Plasma proteins	S52(L) PY 2.3 (AITo - Anemia) Hb-structure, synthesis, function, breakdown, variants & clinical significance	S57(L) (AITo - Anemia) BC5.9 Abnormal Hb – its genetic basis	
1 – 2 PM	S40(L) CM 1.2, 1.7 Health- Definition, concept, determinants and indicators	S44 (L) CM 1.3,1.4 Concepts of disease (including Natural history of disease	S49 (L) BC 5.4,5.5 Plasma Protein, Immunoglobulin	S53 (L) AN 18.4-18.7 Knee joint & anastomosis –I	S58(L) (AITo - Anemia) PY 2.4 Erythropoiesis Stages, Regulation	S62 (L) (AITo - Anemia) BC 9.1 Iron metabolism
2-4 PM	S41 (P) AN 16.1, 16.2 Dissection Gluteal Region	S45(SG) FULL BATCH Anatomy SDL Femoral Hernia	S50 (P) AN 16.4, 16.5, Dissection – Back of Thigh, AN 17.1 Hip joint	S54 (P) AN 16.6 Dissection – Popliteal Fossa AN 14.1, 14.2, 14.3 Osteology: Tibia	S59 (P) AN 18.4 Dissection – Knee Joint AN 14.1, 14.2, 14.3 Osteology: Fibula	S63(SG) FULL BATCH PY 2.11 (AITo - Anemia) Microscope, Haemocytometer Effect of various strength of saline on human RBC

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8-9 AM	S64(L) AN 18.1,18.2, 18.3, 20.3 Anterior and lateral compartment of Leg	S68(L) (AITo - Anemia) PY 2.4 Anemia, polycythemia, Jaundice and principles of management	S72(L) AN 19.1-19.4, 20.3 Posterior compartment of leg	S77(L) AN19.5,19.6 Arches of foot	S82(L) AN 20.1-20.2 Ankle Joint &Subtalar joint, tibiofibular joint, Inversion & Eversion of Foot	S86(L) Physiology Revision
9-11 AM	S56B (P) BC14.18 Demonstration of ELISA, Immunodiffusion, DNA isolation from blood/ tissue	S69 FAP 3 FAP (Visit -1 Batch A5, B1) ECE Hospital visit – (Batch B2, B3,B4,B5, A1, A2) YOGA-(A3,A4)	S73 (P) FULL BATCH PY 2.11,2.12,2.13 Enumeration of RBC PCV, Blood Indices Reticulocyte count	S78A(P) (AITo - Anemia) PY 2.11 Blood groups, Estimation of Hemoglobin	S78B (P) Practical CIA – LJ Charts	S87 FAP 4 FAP (Visit -1 Batch B2, B3) ECE Hospital visit – (Batch B4,B5, A1, A2,A3, A4) YOGA-(A5,B1)
11 AM – 12 noon	S65(L) (AITo - Anemia) BC 5.8 Heme synthesis & Porphyrins		S74(L) AN 19.7 Sole of foot	S79(L) (AITo - Anemia) PY 2.10 Cellular Immunity	S83(L) PY 2.7 Platelets –synthesis and functions	
1 – 2 PM	S66 (L) (AITo - Anemia) BC 5.8 Heme catabolism & Jaundice	S70 (L) (AITo – Anemia) CM 5.3 Anemia – Burden Global/India, Risk factors, prevention	S75(L) PY 2.6 WBC, Leukopoiesis and functions	S80(L) (AITo - Anemia) PY 2.10 Humoral immunity	S84(P) AN 20.6 Radiology of Lower Limb	S88(P) SDL - Biochemistry
2-4 PM	S67(P) AN 18.1,18.2, 20.3 Dissection – anterior compartment of Leg, Dorsum of foot	S71(P) AN 20.3 Dissection – Lateral compartment of Leg Seminar: Clinical anatomy of knee joint	S76(P) AN 19.1, 19.2, 20.3 Dissection –Posterior compartment of Leg AN 14.1,14.2,14.4, Osteology: Articulated foot	S81(P) AN 19.7 Dissection –Sole of foot AN 20.7, 20.8, 20.9 Surface Marking of Lower Limb	S85(P) AN 20.1, 20.2 Dissection – Ankle, tibiofibular joint & small joints of foot	S89(P) Anatomy Theory CIA

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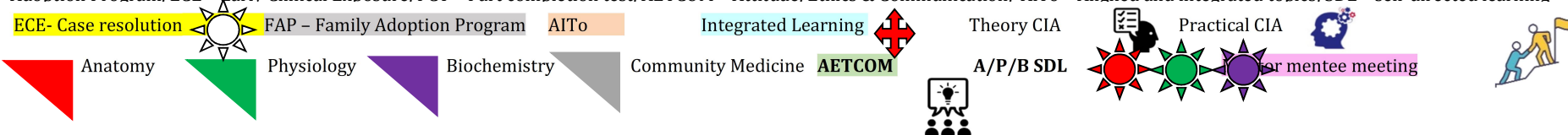




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8-9 AM	S90(L) AN 20.3,20.5 Interactive clinical anatomy lecture -Venous drainage of lower limb and varicose veins	S95(L) Physiology Theory Revision GP, Blood	S99 (L) AN 65.1,65.2 Histology Lecture: Epithelium & glands	S104 (L) AN 66.1,66.2: Histology Lecture: Basic tissues Connective tissues	S107 (L) AN:9.1: Introduction to upper limb Pectoral Region – I	S112(L) AN 9.2, 9.3 Pectoral Region – II – Mammary gland
9-11 AM	S91(P) (Full Batch) PY 2.12 Osmotic fragility, ESR, Hematocrit	S96 FAP 5 FAP (Visit -1 Batch B4, B5) ECE Hospital visit – (Batch A1, A2,A3,A4, A5,B1) YOGA-(B2,B3)	S100A(P) PY 2.11 Bleeding time, Clotting time	S100B (P) BC 14.13 Estimation of serum Bilirubin	S108A (P) PY 2.11 Bleeding time, Clotting time Revision	S113 FAP 6 FAP (Visit -2 Batch A1, A2) ECE Hospital visit – (Batch A4,A3,B1,A5 ,B3,B2) YOGA- (B4,B5)
11 AM – 12 noon	S92(L) PY 2.8 Coagulation pathways, anticoagulants, Disorders, Tests for coagulation		S101(L) PY.31 Neuron , Neuroglia, Nerve growth factor	S105(L) AN 68.1,68.2,68.3,72.1 Histology: Basic tissues Nervous tissues, skins its appendages	S109 (L) BC 2.2 Enzymes-kinetics, mechanism, factors affecting enzyme activity	
1 – 2 PM	S93(L) (AiTo - Anemia) PY 2.9 Blood groups & Transfusion	S97 (L) CM 1.5 Concepts of prevention (including levels of prevention and modes of intervention)	S102(L) BC 2.1 Enzymes- classification, coenzymes, Isoenzymes	S106 (SG) Anatomy Practical CIA	S110(L) PY 3.2 Nerve Fibers- properties, types, SDC(Strength Duration Curve)	S114(L) AN 76.1,76.2,77.1,77.2,77.3 Embryology I Introduction to embryology, Gametogenesis
2-4 PM	S94(P) Cross-sectional anatomy of lower limb	S98(P) Full Batch PY 2.11,2.13 Enumeration of WBC, DC & Platelet Count	S103 (SG) Anatomy Revision Theory CIA		S111 (P) AN 9.1 Dissection: Pectoral region-I AN 8.1,8.2 Osteology: Clavicle	S115(P) full batch (AiTo – Anemia) AiTo closure – Case resolution

L – Lecture, P – Practical, LG – Large Group, SG – Small Group, IL – Integrated Learning, CIA – Continuous Internal Assessment, HI – Horizontal Integration, VI – Vertical Integration, FAP – Family Adoption Program, ECE – Early Clinical Exposure, PCT – Part completion test, AETCOM – Attitude, Ethics & Communication, AiTo – Aligned and integrated topics, SDL – self-directed learning



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