

**BANGALORE MEDICAL COLLEGE AND RESEARCH INSTITUTE, BENGALURU
MASTER TIMETABLE FOR I MBBS 2019-20 BATCH, I TERM**

Legend:

Lecture topics for different subjects are shown in following colours: **Anatomy**, **Physiology**, **Biochemistry**, **Aligned Integrated Topic**

Dissection follows topics covered in Anatomy theory classes

BSC – Basic Sciences Correlation; ECE – Early Clinical Exposure; AIT – Aligned Integrated Topic; H - Histology

September 2019

Date	Day	9 To 10AM	10 To 11 AM	11 To12 noon Dissection (Mon – Fri)	12 to 1 PM Dissection (Mon – Fri)	1-2 PM	Practicals 2-4 PM (4 out of 5 batches are engaged by rotation)				Free Batch (Small group activities)
							ANAT Histology	ANAT Osteology	PHYSIO	BIOCHEM	
2-9-19	Mon					L U N C H					
3-9-19	Tue	ANATOMY Anatomical positions, planes, relations, comparison, laterality & movements, diff types of skin & dermatomes, superficial fascia, mod of deep fascia with function, principles of skin incisions	PHYSIOLOGY PY 1.2 Principles of Homeostasis	AETCOM 1.5 Cadaver as the first teacher			Microscope	Introduct to osteology	Microscope	Orientation to lab	AETCOM 1.5
4-9-19	Wed	BIOCHEM Introduction to Biochemistry	ANATOMY Composition of bone, bone marrow, parts, blood & nerve supply, laws of ossification, sesamoid bone, types of cartilage & distribution	ANATOMY Joints, types & V eg, NS, Hilton's law							AETCOM 1.5
5-9-19	Thu	PHYSIOLOGY PY 1.6 Body fluid compartments, ionic composition & measurement	ANATOMY Muscle- classifn acc to st & fn, parts of sk muscle, tendon, aponeurosis, shunt & spurt muscle	ANATOMY NS-gen plan with components of CNS, PNS, ANS, components & fn, parts of neuron, cl based on size & fn, st of typical sp n, principles of sensory & motor innervations of muscle, laws of inn of muscle with AA, types of synapse, diff in symp & spinal ganglia	PHYSIOLOGY PY 3.1, 3.2, 3.3 Structure, function of neuron & Neuroglia Nerve growth factors Types of nerve fibres Nerve degeneration & regeneration						AETCOM 1.5
6-9-19	Fri	ANATOMY H - Cell & epithelial tissue	PHYSIOLOGY PY 2.1 Composition of Blood Introduction to RBC & its properties	ANATOMY Osteo: Intro to bone, Clavicle							AETCOM 1.5
7-9-19	Sat	BIOCHEM Cell, subcellular components, & functions, Fluid Mosaic model	PHYSIOLOGY PY 1.1, 1.5 Structure and functions of mammalian cell; Cell membrane transport mechanisms	ANATOMY Pectoral Region- Att, NS, action of mus- Pectoral, Subclavius, SA, Mammary gland location, extent, Reln, Stage changes, BS, LD, AA, microscopy, Development	ANATOMY Embryology		Tutorials ANATOMY				

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							ANAT Histology	ANAT Osteology	PHYSIO	BIOCHEM	
9-9-19	Mon	PHYSIOLOGY PY 1.5 Cell membrane transport mechanisms	BIOCHEM Chemistry of CHO- def, biomedical importance, energy fuel, classification, Monosaccharides and properties	ANATOMY Dissection follows topics covered in theory class		L U N C H	Epithelial tissue	Clavicle	Microscope	Orientation to lab, apparatus & equipment.	AETCOM 1.5
10-9-19	Tue										
11-9-19	Wed	BIOCHEM Protein chemistry- Def, classification and properties of Amino acids	ANATOMY Axilla I-boundaries, contents, brachial pl-fromn, br, rel, area of supply, course, reln & term br, var in form, cl features of Erb's & Klumpke's paralysis						Haemocyto metry		
12-9-19	Thu	PHYSIOLOGY PY 2.4 RBC formation (Erythropoiesis & its regulation)	ANATOMY Axilla II-ax a & v (origin, extent, course, parts, rel, br/trib), ax LN & areas of drainage, AA								
13-9-19	Fri	ANATOMY H-conn tissue	PHYSIOLOGY PY 2.4, RBC formation (Erythropoiesis & its regulation)								
14-9-19	Sat										
16-9-19	Mon	PHYSIOLOGY PY 2.11, 2.13 RBC count- Instruction Procedure for Reticulocyte count	BIOCHEM Reducing and non-reducing disaccharides	ANATOMY Osteo: Scapula, Humerus		L U N C H	Connective tissue	Scapula and Humerus	Haemocyto metry	Lab hazards, safety & waste disposal	BIOCHEM ECE for Clinical Skill Lab exposure, Phlebotomy, Pre-analytical errors, centrifuges, automation, quality control, and possible post-analytical error
17-9-19	Tue	ANATOMY Position, att, NS, action of Trapezius, LD, deltoid, RC ms, scap anast, tri of ausc, anat basis of ax n during IM inj	PHYSIOLOGY 1.3, 1.4, 1.9 Intercellular communication; Apoptosis; Methods used to demonstrate cell functions, products, and its applications								
18-9-19	Wed	BIOCHEM Structural organization of proteins	ANATOMY Fascia of UL, compt, Ms of antr compt of arm, N & V, anat basis of venepuncture of cub v, CF, anast around elbow jt						PY 2.11 RBC COUNT		
19-9-19	Thu	PHYSIOLOGY 1.8 Molecular basis of Resting membrane potential	ANATOMY Shoulder jt, SC & AC jt-type, AS, capsule, SM, lig, reln, movts, ms, BS, NS, AA								

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							ANAT Histology	ANAT Osteology	PHYSIO	BIOCHEM	
20-9-19	Fri	ANATOMY H – Nerve	PHYSIOLOGY PY 2.3, 2.11, 2.12 Synthesis & functions of Hb, its variants Estimation of Hb, PCV, ESR. Interpret results			L U N C H					
21-9-19	Sat	BIOCHEM Enzymes, classification, factors affecting enzyme activity	PHYSIOLOGY PY 1.8 Molecular basis of Action potential	PHYSIOLOGY PY 2.5 Different types of Anaemias Haematological indices (Shared with PATHOLOGY)	ANATOMY Conference		Tutorials PHYSIOLOGY				
23-9-19	Mon	PHYSIOLOGY PY 2.7, 2.13 Formation of Platelets, functions & variations Describe steps for platelet count	BIOCHEM Polysaccharides including proteoglycans – MPS Including BSC	ANATOMY Osteo: Radius, Ulna		L U N C H	Nerve	Radius, Ulna	RBC COUNT		
24-9-19	Tue	ANATOMY Ms Post compt of arm, v&N, anat basis of Sat night Palsy	PHYSIOLOGY PY 2.8 Physiological basis of Haemostasis								
25-9-19	Wed	BIOCHEM Classification and properties of proteins	ANATOMY Flexor compt forearm-ms, att, NS, action, n&V, flexor ret, carpal tunnel synd							PY 2.11, 2.12 HB, PCV, ESR,	
26-9-19	Thu	PHYSIOLOGY PY 1.8, 3.17 Molecular basis of Action potential, properties Strength Duration curve	ANATOMY Palm-ms, movts of thumb with ms inv, V&N, claw hand, FFS, ulnar & radial bursa, dig syn sh, fascial sp, AA								
27-9-19	Fri	ANATOMY H – muscle	PHYSIOLOGY PY 3.7 Different types of Muscle fibres and their structure, Sarcomere, Sarcotubular system								
28-9-19	Sat										
30-9-19	Mon	PHYSIOLOGY PY 2.8 Physiological basis of Haemostasis, anticoagulants	BIOCHEM Components of ECM and disorders Biochemistry of Lens including BSC (Shared with PHYSIOLOGY)	ANATOMY Osteo: Articulated hand				Muscle	Art hand	HB, PCV, ESR	Abnormal constituents of urine

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							ANAT Histology	ANAT Osteology	PHYSIO	BIOCHEM	
16-11-19	Sat	BIOCHEM TCA cycle and gluconeogenesis	PHYSIOLOGY PY 5.6 Abnormal ECG, arrhythmias, heart block and myocardial Infarction	ANATOMY H- Respiratory System	PHYSIOLOGY PY 6.2, 6.3 Diffusion of gases & transport		AETCOM 1.2 What it means to be a patient				
18-11-19	Mon	PHYSIOLOGY PY 5.3 Events occurring during the Cardiac cycle	BIOCHEM Lipid metabolism – beta oxidation of FA	ANATOMY Osteo: Tibia			Resp system	Tibia		Estimation of ALP	AETCOM 1.2
19-11-19	Tue	ANATOMY Front, lat & med of leg, dorsum of foot – ms, n, v, retinacula, foot drop	PHYSIOLOGY PY 5.3 Cardiac cycle continued, Heart sounds, Arterial and venous pulse								AETCOM 1.2
20-11-19	Wed	BIOCHEM Glycogen metabolism	ANATOMY Back of leg – ms, n & v, peripheral heart, rupture of calcaneal tendon								AETCOM 1.2
21-11-19	Thu	PHYSIOLOGY PY 6.3 Transport of Respiratory gases, O2 & CO2	ANATOMY Sole- muscles, nerves, vessels								AETCOM 1.2
22-11-19	Fri	ANATOMY H- Blood vessels	PHYSIOLOGY PY 5.7 Properties of blood vessels Principles of circulation								AETCOM 1.2
23-11-19	Sat	BIOCHEM Lipid metabolism – FA synthesis	PHYSIOLOGY PY 6.3 Transport of Respiratory gases, O2 & CO2	ANATOMY Knee jt-type, AS, cap, lig, SM, movt, ms, bs, ns, AA, locking & unlocking, inj, osteoarthritis, AA	PHYSIOLOGY 8.6 Introduction to endocrinology Classification of hormones Mechanisms of hormone action		Tutorials ANATOMY				
25-11-19	Mon	PHYSIOLOGY Regulation of respiration	BIOCHEM HMP and other minor pathways	ANATOMY Osteo: Fibula			Blood Vessels	Fibula		Estimation of total cholesterol and HDL	
26-11-19	Tue	ANATOMY Ankle, TF, subtalar, tr tarsal jts	PHYSIOLOGY Regulation of respiration								
27-11-19	Wed	BIOCHEM Ketone body metabolism and starvation	ANATOMY Arches of foot-factors,flat foot, club foot, metatarsalgia, pl fasciitis								
28-11-19	Thu	PHYSIOLOGY Regulation of resp including instruction for Stethography	ANATOMY BSC class - Thorax						Stethogra phy/ Haematol ogy revision		
29-11-19	Fri	ANATOMY Gen embryology	PHYSIOLOGY PY 5.7 Haemodynamics of circulation								
30-11-19	Sat	BIOCHEM Regulation of blood sugar and DM (BSC)	PHYSIOLOGY PY 5.7 Haemodynamics of circulation	ANATOMY H- Endocrine glands-1	PHYSIOLOGY 8.6 Second messenger systems		Tutorials PHYSIOLOGY				

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Master timetable for I MBBS 2019-20 batch

For the month of **December 2019**

Date	Day	9 To 10AM	10 To 11 AM	11 To12 noon Dissection (Mon – Fri)	12 to 1 PM Dissection (Mon – Fri)	1-2 PM	Practicals 2-4 PM (4 out of 5 batches are engaged by rotation)				Free Batch (Small group activities)		
							ANAT Histology	ANAT Osteology	PHYSIO	BIOCHEM			
2-12-19	Mon	PY 6.6 Pathophysiology of Dyspnoea, Hypoxia, Cyanosis, Asphyxia, Drowning, Periodic breathing	BIOCHEM Cholesterol metabolism and disorders (BSC)	ANATOMY Osteo: Articulated foot			L U N C H	Endocrine glands	Articul. Foot		Estimation of Triglycerides	ANATOMY ECE for Clinical Skill Visit to Radiology department	
3-12-19	Tue	ANATOMY BSC class – Lower limb	PHYSIOLOGY PY 6.4, 6.5 Physiology of High altitude & deep sea diving Acclimatization & Decompression sickness										
4-12-19	Wed	BIOCHEM Lipoprotein metabolism and disorders (BSC- MI)	ANATOMY Revision topics										
5-12-19	Thu	PHYSIOLOGY Hypothalamic control of hormone secretion	ANATOMY Embryology										
6-12-19	Fri	ANATOMY H- Endocrine glands-2	PHYSIOLOGY PY 6.5, 6.7 Principles of artificial respiration, Oxygen therapy Lung function tests and their clinical significance										
7-12-19	Sat	AIT (Linker) – Ischaemic Heart Disease / Myocardial infarction							Tutorials BIOCHEMISTRY				
		ANATOMY Blood supply of heart and anatomical basis of Ischaemic heart disease	PHYSIOLOGY Coronary circulation in relation to IHD and MI ECG changes is MI and their physiological basis	BIOCHEM Lipoprotein and cholesterol metabolism and their relation to MI Biochemical tests in MI and their rationale	GEN MED Discussion of a case of IHD/MI								
9-12-19	Mon	PHYSIOLOGY Respiratory System BSC	BIOCHEM Prostaglandins and therapeutics (BSC)				Endocrine glands			Estimation of total protein, albumin and AG ratio			
10-12-19	Tue	ANATOMY Revision topics	PHYSIOLOGY Respiratory System BSC										
11-12-19	Wed	BIOCHEM Revision	ANATOMY Revision topics										
12-12-2019 to 21-12-2019 1st Internal Assessment													
22-12-2019 to 01-01-2020 Vacation													