

Shaheed Hasan Khan Mewati Government Medical
College Nalhar, Nuh (Haryana)
COMPETENCY BASED MEDICAL CURRICULUM FOR MBBS (2020-2021)

Time	01.02.21 Mon	02.02.21 Tue	03.02.21 Wed	04.02.21 Thurs	05.02.21 Fri	06.02.21 Sat	07.02.21 Sun
08-09 AM		AN 1.1 Demonstrate normal anatomical position, various plans, relation, comparison, laterality & movement in our body	PY1.1 structure and functions of a mammalian cell	BI1.1 Molecular and functional organization of cell and its sub cellular components (part I) (Horizontal integration with Physiology)	PY3.1 Structure and functional of a neuron and neuralgia, nerve growth factor and cytokines Horizontal integration with Anatomy	AETCOM – Physician's role in society- Dept. of Com. Med	
09-10 AM		CM1.1: Define and describe the concepts of public health	AN4.1 -4.3 Describe different types of skin & dermatomes in body, appendages, superficial fascia with fat	AN65.1 introduction to microscope, identify epithelium under the microscope & describe the various types	BI1.1 Molecular and functional organization of cell and its sub cellular components (part II)	PY2.1 composition and functional of blood component	
10-11 AM		O -International health systems and concept of rural health care – Dept. of Com. Med	PDE - Expectation of society from a doctor – Dept. of Community Med	PDE - Social stigma and cultural factors influencing diseases – Dr. Maha Singh	3XO -Visit to pre and Para clinical /departments Registration counter/OPD/ IPD/Casualty/Blood bank (Group A, B and C) -Demonstrator Ana/Phy/B	AN4.4 - 4.5 describe deep fascia with its modification, principle of skin incisions	
11-01 AM		AN 1.1 DOAP session of Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body	PY2.11a to study the compound microscope (vertical integration with pathology) BI 11.1 Commonly used lab equipments, safety, waste disposal	AN65.1 Describe parts of microscope (Histology)		AN. 4.1-4.4 DOAP session of skin and fascia	
	L	U	N	C	H		
02-04 PM		PY2.11a to study the compound microscope BI 11.1 Commonly used lab equipments, safety, waste disposal	AN 1.1 DOAP session of Demonstrate normal anatomical position, various plans, relation, comparison, laterality & movement in our body	PY2.11a to study the compound microscope (vertical integration with pathology) BI 11.2 preparation of buffers and estimation of pH	PY1.2 discuss the principle of homeostasis (part-I)	Physio Tutorial	
04-05 PM					LC - Computer skills- Mr. Ashish		

AN - Anatomy – 675 Hours (Red Color)

• PY – Physiology - 495 Hours (Pink Color)

• BI – Biochemistry – 250 hours (Light Green)

• ECE – Early clinical Exposure – 90 Hours (Magenta Color)

• CM – Community Medicine - 52 Hours (Teal Blue)

• AETCOM - Professional Development and Ethics - 48 Hours (Green Color)

• S/E – Sports and Extra Curriculum Activity - 60 Hours (Blue Color)

• **Foundation Course- 175 hours (Mustard Yellow)**

Total Hour – 1750

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Time	08.02.21 Mon	09.02.21 Tue	10.02.21 Wed	11.02.21 Thurs	12.02.21 Fri	13.02.21 Sat	14.02.21 Sun
08-09 AM	Extracurricular Activities	AN 1.2, 2.3 Composition of bone & bone marrow, Types of Bones & sesamoid bones	PY3.2 types, functions & properties of nerve fibers	BI2.1 Main classes of IUBMB nomenclature (Part – I)	PY2.2 discuss the origin, forms, variations and functions of plasma proteins Horizontal Integration with biochemistry	AETCOM - History of medicine – Dr. Anurag Ambroz	
09-10 AM	AN3.1-3.3 General features of muscle	CM 1.2: Define health; describe the concept of holistic health including concept of spiritual health and the relativeness & determinants of health	AN 2.1 – 2.2 Describe parts, blood and nerve supply of as long bone laws of ossification,	AN65.1 Describe the various types of epithelium	BI2.1 main classes of IUBMB nomenclature (Part – II)	PY2.3 discusses the synthesis and functions of hemoglobin and explains its breakdown. Variant of hemoglobin Horizontal Integration with Biochemistry	
10-11 AM	PY1.2 discuss the principle of homeostasis	PDE - Empathetic attitude towards patients – Dr. Shailesh Gupta	PDE - Consumer protection act .Legal issues against Doctors, issues related to negligence, professional Indemnity – Dr. Devender	PDE - Maintaining Confidentiality of a patient – Dr. Aarti Dhingra	Early Clinical Exposure (Physiology)	AN 2.4 Describe various types of cartilage with its structure & distribution in body	
11-01 AM	PY2.11b study of different blood diluting pipettes and diluting fluids(vertical integration with pathology) BI 11.2 preparation of buffers and estimation of pH	AN. 8.1- DOAP Types of Bones	PY2.11c study of Neubauer chamber PY2.11d filling of pipettes and charging of chamber Vertical integration with pathology BI11.3 Chemical component of normal urine	AN. 65.1 – Identify the slides of simple epithelium (Histo)		AN. 8.1- DOAP session of identify the given bone, its side, important features and anatomical position (Scapula)	
	L	U	N	C	H		
02-04 PM	AN. 8.1 & 8.4- DOAP Types of Bones Demonstrate muscle attachment on bone	PY2.11b study of different blood diluting pipettes and diluting fluids(vertical integration with pathology) BI 11.2 preparation of buffers and estimation of pH	AN. 8.3- DOAP session of identify the given bone, its side, important features and anatomical position (Clavicle)	PY2.11c study of Neubauer chamber PY2.11d filling of pipettes and charging of chamber Vertical integration with pathology BI11.3 Chemical component of normal urine	PY1.3 Intercellular communication PY1.4 Describe apoptosis – programmed cell death Vertical integration with Pathology	Physio Tutorial	
4-5 PM	PDE - Immunization required for health personnel – Dr. Maha Singh				LC - Computer skills- Mr. Ashish		

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Time	15.02.21 Mon	16.02.21 Tue	17.02.21 Wed	18.02.21 Thurs	19.02.21 Fri	20.02.21 Sat	21.02.21 Sun
08-09 AM	Extracurricular Activities	GH	PY3.4 Describe the structure of neuro muscular junction and transmission of impulses (Part-III)	BI2.4 Enzyme inhibitor, as poisons and drugs and as therapeutic enzyme (Vertical integration with Pathology and Medicine)	PY2.4 Describe RCB formation (granulopoiesis) and its regulation (Part-II)	AETCOM- Why ragging is illegal? – Dr. Rajeev Khurana	
09-10 AM	AN5.1-5.8 General features of the cardiovascular system		AN2.5 Describe various joints with subtypes and examples	AN65.2 Describe the ultra- structure of epithelium (stratified)	BI2.5 clinical utility of various serum enzyme as markers of pathological conditions(Vertical integration with Pathology and Medicine)	PY3.5 Discuss the action of neuro muscular blocking agent Vertical integration with anesthesiology and pharmacology	
10-11 AM	PY3.4 Describe the structure of neuro muscular junction and transmission of impulses (Part-II)		PDE - Gender sensitization & laws regarding sexual harassment – Dr. Devender Atal	PDE - Doctor as a service provider, Consumer protection Act in relation to Doctors – Dr. Ashish Tyagi	Early Clinical Exposure (Anatomy)	AN 2.6 Explain the concept of nerve supply of joints & Hiltons law	
11-01 AM	PY2.11f determination of total RBC count Vertical integration with pathology BI1.4 perform urine analysis to estimate and determine normal and abnormal constituents		PY2.11g determination of total WBC count - Vertical integration with pathology BI1.7 Estimation of serum creatinine and creatinine clearance	AN65.2 Identify the slides of stratified epithelium		AN2.5 DOAP session of various types of joints and their movements	
	L	U	N	C	H		
02-04 PM	AN. 8.1- DOAP session of identify the given bone, its side, important features and anatomical position (Humerus)		AN2.5 DOAP session of various types of joints with subtypes and example	PY2.11g determination of total WBC count - Vertical integration with pathology BI1.7 Estimation of serum creatinine and creatinine clearance	PY1.6, describe the fluid compartments of the body, its ionic composition & measurement PY 1.7 describe the concept of pH and buffers systems in the body Horizontal integration with Biochemistry	Physiology Tutorial	
04-05 PM	PDE - Challenges faced by a doctor in private/ corporate set up– Dr. Yamini				LC - Computer skills- Mr. Ashish		

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	22.02.21 Mon	23.02.21 Tue	24.02.21 Wed	25.02.21 Thurs	26.02.21 Fri	27.02.21 Sat	28.02.21 Sun
08-09 AM	Extracurricular Activities	AN75.1-75.2 Principles of genetics, chromosomal aberrations					
09-10 AM	AN6.1-6.3 General feature of lymphatic system	CM 1.3 Describe the characteristics of agent, host and environmental factors in health and disease and the multi factorial etiology of disease					
10-11 AM	PY1.8 describe and discuss the molecular basis of resting membrane potential and action potential in excitable tissue	SK – Study skills- tips for better study style – Dr. Anil Chaudhary					
11-01 AM	PY2.11g determination of total WBC count - Vertical integration with pathology BI11.7 Estimation of serum creatinine and creatinine clearance	Revision					
	L	U	N	C	H		
02-04 PM	2XSK – Handling Cadavers in Dissection Hall	PY2.11g determination of total WBC count - Vertical integration with pathology BI11.7 Estimation of serum creatinine and creatinine clearance					
04-05 PM	SK -Bio-safety and biomedical waste management– Dr. Prakriti						