

**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	BII.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  <b>Horizontal integration with Anatomy</b>	<b>AETCOM – Physician’s role in society- Dept. of Com. Med</b>	
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	BII.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		<b>O</b> -International health systems and concept of rural health care – <b>Dept. of Com. Med</b>	<b>PDE</b> - Expectation of society from a doctor – <b>Dept. of Community Med</b>	<b>PDE</b> - Social stigma and cultural factors influencing diseases – <b>Dr. Maha Singh</b>	<b>3XO</b> -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 ( <b>vertical integration with pathology</b> )  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	
	<b>L</b>	<b>U</b>	<b>N</b>	<b>C</b>	<b>H</b>		
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 ( <b>vertical integration with pathology</b> )  BI 11.2 preparation of buffers and estimation of pH	PY1.2 discuss the principle of homeostasis (part-I)	Physio Tutorial	
04-05 PM					<b>LC</b> - Computer skills- <b>Mr. Ashish</b>		

- **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 (Teel Blue)**

- **AETCOM - Professional Development and Ethics - 48 Hours (Green Color)**
  - **S/E – Sports and Extra Curriculum Activity - 60 Hours (Blue Color)**
  - **Foundation Course- !75 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&seasmoid 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 <b>Horizontal Integration with biochemistry</b>	AETCOM - History of medicine – <b>Dr. Anurag Ambroz</b>	
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 <b>Horizontal Integration with Biochemistry</b>	
10-11 AM	PY1.2 discuss the principle of homeostasis	<b>PDE</b> - Empathetic attitude towards patients – <b>Dr. Shailesh Gupta</b>	<b>PDE</b> - Consumer protection act .Legal issues against Doctors, issues related to negligence, professional Indemnity – <b>Dr. Devender</b>	<b>PDE</b> - Maintaining Confidentiality of a patient – <b>Dr. Aarti Dhingra</b>	<b>Early Clinical Exposure</b> (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( <b>vertical integration with pathology</b> )  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 <b>Vertical integration with pathology</b>  BI1.3 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)	
	<b>L</b>	<b>U</b>	<b>N</b>	<b>C</b>	<b>H</b>		
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( <b>vertical integration with pathology</b> )  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 <b>Vertical integration with pathology</b>  BI1.3 Chemical component of normal urine	PY1.3 Intercellular communication PY1.4 Describe apoptosis – programmed cell death <b>Vertical integration with Pathology</b>	Physio Tutorial	
4-5 PM	<b>PDE</b> - Immunization required for health personnel – <b>Dr. Maha Singh</b>				<b>LC-</b> Computer skills- <b>Mr. Ashish</b>		

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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	<b>GH</b>	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 ( <b>Vertical integration with Pathology and Medicine</b> )	PY2.4 Describe RCB formation (granulopoiesis) and its regulation (Part-II)	AETCOM- Why ragging is illegal? – <b>Dr. Rajeev Khurana</b>	
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( <b>Vertical integration with Pathology and Medicine</b> )	PY3.5 Discuss the action of neuro muscular blocking agent <b>Vertical integration with anesthesiology and pharmacology</b>	
10-11 AM	PY3.4 Describe the structure of neuro muscular junction and transmission of impulses (Part-II)		<b>PDE</b> - Gender sensitization & laws regarding sexual harassment – <b>Dr. Devender Atal</b>	<b>PDE</b> - Doctor as a service provider, Consumer protection Act in relation to Doctors – <b>Dr. Ashish Tyagi</b>	<b>Early Clinical Exposure</b> (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	
	<b>L</b>	<b>U</b>	<b>N</b>	<b>C</b>	<b>H</b>		
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	<b>PDE</b> - Challenges faced by a doctor in private/ corporate set up– <b>Dr. Yamini</b>				<b>LC</b> - Computer skills- <b>Mr. Ashish</b>		

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08-09 AM	Extracurricular Activities	AN75.1-75.2 Principles of genetics, chromosomal aberrations	<b>PY; 3.6</b> Describe the pathophysiology of myasthenia gravis Vertical integration with pathology	BI3.1 differentiate monosaccharide, disaccharides and polysaccharides giving examples of main carbohydrates as energy fuel, structural element and storage in the human body (Part-I)	PY; Describe different types of muscle fibers and their structure	<b>GH</b>	
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	AN 75.3-75.5 Clinical Genetics	AN 7.1- 7.3 Introduction to nervous system	BI3.1 differentiate monosaccharide, disaccharides and polysaccharides giving examples of main carbohydrates as energy fuel, structural element and storage in the human body (Part-II)		
10-11 AM	PY1.8 describe and discuss the molecular basis of resting membrane potential and action potential in excitable tissue	<b>SK</b> – Study skills-tips for better study style – <b>Dr. Anil Chaudhary</b>	<b>PDE;</b> District non-communicable disease officer	<b>PDE;</b> Immunization required for health personnel	<b>PDE;</b> How to interact with seniors, peers, faculty and patients		
11-01 AM	PY2.11g determination of total WBC count - Vertical integration with pathology BI11.7 Estimation of serum creatinine and creatinine clearance	Revision	<b>Batch A</b> – Community Medicine field visit <b>Batch B-</b> Physiology Tutorial <b>Batch C-</b> Anatomy bone demonstration	<b>Batch B</b> – Community Medicine field visit <b>Batch C-</b> Physiology Tutorial <b>Batch A-</b> Anatomy bone demonstration	<b>Batch C</b> – Community Medicine field visit <b>Batch A-</b> Physiology Tutorial <b>Batch B-</b> Anatomy bone demonstration		
	<b>L</b>	<b>U</b>	<b>N</b>	<b>C</b>	<b>H</b>		
02-04 PM	<b>2XSK</b> – 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	Cardiopulmonary resuscitation (basic life support training) Dr. Kiran Bhatia, Prof. Anaesthesia Venue: - Examination Hall	Community Medicine	Hospital Visit		
04-05 PM	<b>SK</b> -Bio-safety and biomedical waste management– <b>Dr. Prakriti</b>						

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08-09 AM	Sports	AN7.7-7.8 various type of synapse	PY3.6 Describe the path physiology of myasthenia gravis Vertical integration with pathology	BI3.1 differentiate monosaccharide, disaccharides and polysaccharides giving examples of main carbohydrates as energy fuel, structural element and storage in the human body (Part-I)	PY2.7 Describe the formation of platelets, functions and variations	<b>AETCOM-</b> Professional behavior with peers	
09-10 AM	AN7.4-7.6 Describe the typical spinal nerve, sensory motor innervations	CM1.4: Describe and discuss the natural history of disease CM1.5: Describe the application of interventions at various levels of prevention	AN76.1-76.2 Introduction to embryology	AN66.1-66.2 connective tissue histology	BI3.1 differentiate monosaccharide, disaccharides and polysaccharides giving examples of main carbohydrates as energy fuel, structural element and storage in the human body (Part-II)	PY3.7 Describe the different types of muscle fibers and their structure	
10-11 AM	PY1.9 Demonstrate the ability to describe and discuss the methods used to demonstrate the functions of the cells and its products, its communication and their applications in clinical care and research (Part – I)	<b>PDE</b> - Challenges faced by a doctor in private/ corporate set up– <b>Dr. Yamini</b>	<b>SK</b> -Bio-safety and biomedical waste management– <b>Dr. Prakriti</b>	SK – Where to look for data in health? – <b>Dept. of Com. Med</b>	<b>Early Clinical Exposure: Biochem.</b>	AN77.3-77. 6 Gametogenesis and fertilization	
11-01 AM	PY2.11h estimation of hemoglobin content of blood Vertical integration with pathology  BI11.6 Describe the principles of colorimetry	AN. 8.1- DOAP session of identify the given bone, its side, important features and anatomical position	PY2.11h estimation of hemoglobin content of blood Vertical integration with pathology  BI11.18 Describe the principles of spectrophotometry	AN. 4.3-4.4 DOAP session of demonstration of slides pertaining to connective tissue		AN77.3-77. 6 Gametogenesis and fertilization. Demonstration of embryology models. <b>Vertical integration</b> with OBG	
	<b>L</b>	<b>U</b>	<b>N</b>	<b>C</b>	<b>H</b>		
02-04 PM	AN. 8.1- DOAP session of identify the given bone, its side, important features and anatomical position	PY2.11h estimation of hemoglobin content of blood Vertical integration with pathology  BI11.6 Describe the principles of colorimetry	AN 1.1 DOAP session of Demonstrate normal anatomical position, various plans, relation, comparison, laterality & movement in our body	PY2.11h estimation of hemoglobin content of blood Vertical integration with pathology  BI11.18 Describe the principles of spectrophotometry	PY1.9 Demonstrate the ability to describe and discuss the methods used to demonstrate the functions of the cells and its products, its communication and their applications in clinical care and research (Part –II) TEST	Physio Tutorial	
04-05 PM					<b>LC-</b> Computer skills- <b>Mr. Ashish</b>		

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 (Teel Blue)

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

- S/E – Sports and Extra Curriculum Activity - 60 Hours (Blue Color)
- **Foundation Course- !75 hours ( Mustard Yellow)**

**Total Hour – 1750**

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08-09 AM	Sports	AN78.1-78.5 Second week of development	PY3.8 Describe action potential and its properties in different muscle types (skeletal & smooth)	GH	PY2.8 Describe the physiological basis of hemostasis and anticoagulants. Describe bleeding & clotting disorder (hemophilia purpura) (Part-II) <b>Vertical integration with pathology</b>	<b>AETCOM:</b> Alternate health systems in India	
09-10 AM	AN77.1-77.2 ovarian and menstrual cycle	CM1.6: Describe and discuss the concepts, the principles of Health promotion and Education, IEC and Behavioral change communication (BCC)	AN 79.1-79.6 3rd to 8th Week of development		BI3.2 Processes involved in digestion and assimilation of carbohydrate and storage	PY2.9 Describe different blood groups and discuss the clinical importance of blood grouping, blood banking and transfusion <b>Vertical integration with pathology</b>	
10-11 AM	PY3.8 Describe action potential and its properties in different muscle types (skeletal & smooth)	<b>SK – Principles of blood safety and transfusion medicine – Dr. Shailesh (Patho)</b>	<b>PDE - Medicine and Law Interaction with a lawyer - Dr. Hitesh</b>		<b>Early Clinical Exposure: Physiology</b>	AN80.1-80.3 fetal membrane and umbilical cord	
11-01 AM	PY2.11j determination of blood group <b>Vertical integration with pathology</b>  BI 11.21 Demonstrate estimation of glucose in serum	AN78.1-78.5. <b>Vertical integration with OBG and Demonstration of embryology models.</b>	PY2.11j determination of blood group <b>Vertical integration with pathology</b>  BI 11.21 Demonstrate estimation of glucose in serum			AN80.1-80.3 fetal membrane and umbilical cord. Demonstration of embryology models. <b>Vertical integration with OBG</b>	
	<b>L</b>	<b>U</b>	<b>N</b>	<b>C</b>	<b>H</b>		
02-04 PM	AN77.3-77.6 Gametogenesis and fertilization. Demonstration of embryology models. <b>Vertical integration with OBG</b>	PY2.11j determination of blood group <b>Vertical integration with pathology</b>  BI 11.21 Demonstrate estimation of glucose in serum	AN 79.1-79.6 3 <sup>rd</sup> to 8 <sup>th</sup> Week of development Demonstration of embryology models. <b>Vertical integration with OBG</b>		Physiology Lecture PY3.1-3.8	Physio Tutorial	
4-5 PM					<b>LC: Hindi Dr Puja</b>		

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08-09 AM	Extracurricular Activities	AN9.1 introduction to upper limb – pectoral region	PY3.9 describe the molecular basis of muscle contraction in skeletal and in smooth muscle (1)	BI3.3 Digestion and assimilation of carbohydrates from food	PY3.9 describe the molecular basis of muscle contraction in skeletal and in smooth muscle (1)	AETCOM: Respect to senior & faculty	
09-10 AM	AN73.1-74.4 chromosomes and patterns of inheritance	CM1.7: Enumerate and describe health indicators	AN9.2-9.3 Breast	AN67.1-67.3 Muscle histology	BI3.4 Pathways of carbohydrate metabolism (Glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt Part- I) (Vertical integration with Medicine)	PY 9.3 Male reproductive system	
10-11 AM	PY2.10 Define and classify different types of immunity, describe the development of immunity and its regulation	SK- Importance of reporting, documentation, feedback, referral (MRD) – Dr. Siddharth (Ortho)	<b>O- Universal precautions and vaccination – Dr. Maha Singh</b>	<b>PDE – First Aid – Dr. Jitendr</b>	<b>Early Clinical Exposure: Anatomy</b>	AN8.1-8.3 Feature of individual bones (upper limb)	
11-01 AM	PY2.11j determination of blood group Vertical integration with pathology  BII1.21 Demonstrate estimation of Urea in serum	AN 9.1- <b>Practical</b> - marking of skin incision and reflection of skin and fascia	PY2.11k preparation of peripheral blood smear integration with pathology  BII1.21 Demonstrate estimation of Total protein in serum	AN67.1-67.3 DOAP session of demonstration of slides pertaining to Muscle tissue		AN8.1-8.3 <b>Practical</b> - Feature of individual bones (upper limb)	
	<b>L</b>		<b>U</b>	<b>N</b>	<b>C</b>	<b>H</b>	
02-04 PM	AN73.1-74.4 chromosomes and patterns of inheritance and <b>vertical integration</b> with medicine and pediatrics	PY2.11j determination of blood group Vertical integration with pathology  BII1.21 Demonstrate estimation of Urea in serum	AN9.2-9.3 Breast; dissection and demonstration with <b>vertical integration</b> with general surgery	PY2.11k preparation of peripheral blood smear integration with pathology  BII1.21 Demonstrate estimation of Total protein in serum	PY 9.4 (1) Female reproductive system	Physiology Tutorial	
04-05 PM					<b>LC- Computer skills- Mr. Ashish</b>		

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Time	22.03.21 Mon	23.03.21 Tue	24.03.21 Wed	25.03.21 Thurs	26.03.21 Fri	27.03.21 Sat	28.03.21 Sun
08-09 AM	Extracurricular Activities	<b>GH</b>	PY 8.6 Introduction to endocrinology Mechanism of action of steroid protein and amine hormones	BI3.4 Pathways of carbohydrate metabolism (Glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt Part- II) (Vertical integration with Medicine)	PY 8.1 Physiology of bone and calcium metabolism with PTH	AETCOM: Respect to cadaver	
09-10 AM	AN10.1-10.2 Axilla		AN 10.3-10.9- Brachial Plexus AN Describe, identify and demonstrate the position, attachment, nerve supply and actions of trapezius and latissimus dorsi	AN71.1-71.2 Bone and cartilage Histology	BI3.4 Pathways of carbohydrate metabolism (Glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt Part- III) (Vertical integration with Medicine)	PY 9.2 Puberty	
10-11 AM	PY1.8 describe and discuss the molecular basis of resting membrane potential and action potential in excitable tissue		<b>SK</b> – Tele Medicine	<b>SK</b> – Role of IT in health ANMOL & health apps	<b>Joint sensitization program between junior &amp; senior in presence of faculty</b>	10.10-13-Describe and identify the deltoid and rotator cuff muscles escribe and demonstrate shoulder joint	
11-01 AM	PY2.11 I Deferential Leucocyte count <b>Vertical integration with pathology</b>  Biochem tutorial		PY2.11 I Deferential Leucocyte count <b>Vertical integration with pathology</b>	AN71.1-71.2 DOAP session of demonstration of slides pertaining to Bone and cartilage Histology		10.10-13- <b>Practical</b> - Demonstrate the deltoid and rotator cuff muscles escribe and demonstrate shoulder joint	
	<b>L</b>	<b>U</b>	<b>N</b>	<b>C</b>	<b>H</b>		
02-04 PM	AN10.1-10.2 Axilla; practical and DOAP session		AN 10.3-10.9- <b>Practical</b> - Demonstrate the Brachial Plexus and position, attachment, nerve supply and actions of trapezius and latissimus dorsi	PY2.11 I Deferential Leucocyte count <b>Vertical integration with pathology</b>  BI1.22 Calculate albumin/globulin ratio	PY 9.4 (2) Female reproductive system PY 9.11 Perimenopause and menopause	Physiology Tutorial	
04-05 PM					<b>LC: English Dr Sonia Hasija</b>		

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08-09 AM	<b>GH</b>	AN 11.1-3-Describe and demonstrate muscle groups of upper limb	PY 8.2 (I) Synthesis, secretion transport, physiological action, regulation and effect of altered ( hypo and hyper) secretion of pituitary gland, thyroid gland, adrenal, gland, pancreas and hypothalamus	BI3.4 Pathways of carbohydrate metabolism (Glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt Part- IV) (Vertical integration with Medicine)	PY 9.6 Contraceptive methods	AETCOM – Medical ethics	
09-10 AM		CM1.8: Demographic profile of India and its impact on health	AN 11.1 & 11.4- Describe triceps and the anatomical basis of Saturday night paralysis	AN 68.1-3-Describe & Identify multipolar & unipolar neuron, ganglia, peripheral nerve	BI3.4 Pathways of carbohydrate metabolism (Glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt Part- IV) (Vertical integration with Medicine)	PY 9.6 Contraceptive methods	
10-11 AM		<b>SK</b> – Role play for communication skill (polio) <b>Community Med.</b>	<b>SK</b> – Role play/Skit on DOTS, <b>Chest &amp; TB</b>	<b>SK</b> – Role of Yoga in Stress management	<b>Early Clinical Exposure: Biochem</b>	AN11.6 Describe the anastomosis around the elbow joint	
11-01 AM		AN 11.1-3- <b>Practical</b> - demonstrate and identify muscle groups of upper limb	PY2.11 1 Deferential Leucocyte count Vertical integration with pathology  BI 11.9 Demonstrate estimation of serum total cholesterol and HDL cholesterol	AN 68.1-3- DOAP session of demonstration of slides pertaining to multipolar & unipolar neuron, ganglia, peripheral nerve		AN11.6 <b>Practical</b> - demonstrate the anastomosis around the elbow joint	
		<b>L</b>	<b>U</b>	<b>N</b>	<b>C</b>	<b>H</b>	
02-04 PM		PY2.11g determination of total WBC count - Vertical integration with pathology  Biochem tutorial	AN 11.1-4 Demonstrate and identify triceps <b>Vertical Integration</b> with General surgery	PY2.11 1 Deferential Leucocyte count Vertical integration with pathology  BI 11.9 Demonstrate estimation of serum total cholesterol and HDL cholesterol	PY 9.4 Female reproductive system PY 9.11 Perimenopause and menopause	Physiology Tutorial	
04-05 PM					<b>LC-</b> Computer skills- <b>Mr. Ashish</b>		

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08-09 AM	Sports	AN12.5-6 Identify & describe small muscles of hand. Also describe movements of thumb and muscles involved	PY 9.4 Female reproductive system PY 9.11 Perimenopause and menopause	BI3.4 Pathways of carbohydrate metabolism (Glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt Part- III) (Vertical integration with Medicine)	PY 9.4 Female reproductive system PY 9.11 Perimenopause and menopause	AETCOM - Vaccinations for health professionals	
09-10 AM	AN12.1-04 Describe and demonstrate important muscle groups of ventral forearm with attachments, nerve supply and actions	CM17.1 Define and describe the concept of health care to community	AN12.7-10 Identify & describe course and branches of important blood vessels and nerves in hand	AN 70.1-Identify exocrine gland under the microscope & distinguish between serous, mucous and mixed acini	BI3.4 Pathways of carbohydrate metabolism (Glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt Part- III) (Vertical integration with Medicine)	PY 8.1 Physiology of bone and calcium metabolism with PTH	
10-11 AM	PY 8.6 Introduction to endocrinology Mechanism of action of steroid protein and amine hormones	<b>Self Directed Learning (SDL):</b> Anatomy	<b>Self Directed Learning (SDL):</b> Physiology	<b>Self Directed Learning (SDL):</b> Biochemistry	<b>Early Clinical Exposure:</b> Physiology	AN12.11 Identify, describe and demonstrate important muscle groups of dorsal forearm with attachments, nerve supply and actions	
11-01 AM	PY2.11   Deferential Leucocyte count Vertical integration with pathology  BI11.15 Describe & discuss the composition of CSF	AN12.5-6 <b>Practical - Identify &amp; Demonstrate</b> small muscles of hand. And movements of thumb and muscles involved	PY2.11   Deferential Leucocyte count Vertical integration with pathology  BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •Paper chromatography of	AN 70.1-DOAP session of slide pertaining to gland under the microscope & distinguish between serous, mucous and mixed acini		AN12.11 demonstrate & Identify, demonstrate important muscle groups of dorsal forearm with attachments, nerve supply and actions <b>Vertical Integration</b> with General surgery	
02-04 PM	AN12.1-04 <b>Practical - demonstrate</b> important muscle groups of ventral forearm with attachments, nerve supply and actions	PY2.11   Deferential Leucocyte count Vertical integration with pathology  BI11.15 Describe & discuss the composition of CSF	AN12.7-10 Identify & demonstrate course and branches of important blood vessels and nerves in hand <b>Vertical Integr ation</b> with General sugery	PY2.11   Deferential Leucocyte count Vertical integration with pathology  BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •Paper chromatography of	PY 8.1 Physiology of bone and calcium metabolism with PTH	Physio Tutorial	
04-05 PM					<b>LC: Hindi</b> <b>Dr Neetu</b>		

**Shaheed Hasan Khan Mewati Government Medical  
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**COMPETENCY BASED UNDERGRADUATE CURRICULUM FOR MBBS (2020-2021)**

Time	12.04.21 Mon	13.04.21 Tue	14.04.21 Wed	15.04.21 Thurs	16.04.21 Fri	17.04.21 Sat	18.04..21 Sun
08-09 AM	Sports	AN12.14-15 Identify & describe compartments deep to extensor retinaculum	GH	BI3.4 Pathways of carbohydrate metabolism (Glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt Part- IV) (Vertical integration with Medicine)	PY 8.2 (I) Synthesis, secretion transport, physiological action, regulation and effect of altered ( hypo and hyper) secretion of pituitary gland, thyroid gland, adrenal, gland, pancreas and hypothalamus	AETCOM - Professional behavior at workplace	
09-10 AM	AN12.12-13 Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of forearm	CM17.2-3 Describe community diagnosis, primary health care, its components and principles		AN 70.1.-Identify the lymphoid tissue under the microscope & describe microanatomy of lymph node, spleen, thymus, tonsil and correlate the structure with function	BI 3.5 regulation, functions and integration of carbohydrate along with associate diseases/disorder (Part- I) (Vertical integration with Medicine)	PY 8.2 (I) Synthesis, secretion transport, physiological action, regulation and effect of altered ( hypo and hyper) secretion of pituitary gland, thyroid gland, adrenal, gland, pancreas and hypothalamus	
10-11 AM	PY 9.5 Physiological effects of sex hormones	<b>Self Directed Learning (SDL):</b> Anatomy		<b>Self Directed Learning (SDL):</b> Biochemistry	<b>Early Clinical Exposure:</b> Anatomy	AN13.1 Describe and explain Fascia of upper limb and compartments, veins of upper limb and its lymphatic drainage	
11-01 AM	Hematology revision  BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: pH meter	AN12.14-15 demonstrate & Identify compartments deep to extensor retinaculum. <b>Vertical Integration</b> wih General sugery		AN 70.1.- DOAP session of slide pertaining to lymphoid tissue , lymph node, spleen, thymus, tonsil and correlate the structure with function		AN13.1 <b>Practical</b> - demonstrate & Identify explain Fascia of upper limb and compartments, veins of upper limb and its lymphatic drainage	
02-04 PM	AN12.12-13 demonstrate & Identify origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of forearm <b>Vertical Integration</b> wih General sugery	Hematology revision  BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: pH meter		Hematology revision  BIO-Tutorial	PY 9.5 Physiological effects of sex hormones	Physio Tutorial	
04-05 PM					<b>LC-</b> Computer skills- <b>Mr. Ashish</b>		

**Shaheed Hasan Khan Mewati Government Medical  
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**COMPETENCY BASED UNDERGRADUATE CURRICULUM FOR MBBS (2020-2021)**

Time	19.04.21 Mon	20.04.21 Tue	21.04.21 Wed	22.04.21 Thurs	23.04.21 Fri	24.04.21 Sat	25.04.21 Sun
08-09 AM	Extracurricular Activities	AN13.3 describe the elbow joint, proximal and distal radio-ulnar joints, wrist joint & first carpometacarpal joint	GH	BI 3.5 regulation, functions and integration of carbohydrate along with associate diseases/disorder (Part- I) (Vertical integration with Medicine)	PY 8.2 (II) Synthesis, secretion transport, physiological action, regulation and effect of altered ( hypo and hyper) secretion of pituitary gland, thyroid gland, adrenal, gland, pancreas and hypothalamus	AETCOM - First Aid	
09-10 AM	AN13.2 Describe dermatomes of upper limb	CM17.4 Describe National policies related to health and health planning and millennium development goals/ Sustainable Development Goals		AN 72.1-Identify the skin and its appendages under the microscope and correlate the structure with function	BI3.6 Concept of TCA cycle as a amphibole pathways and its regulation	PY 8.2 (II) Synthesis, secretion transport, physiological action, regulation and effect of altered ( hypo and hyper) secretion of pituitary gland, thyroid gland, adrenal, gland, pancreas and hypothalamus	
10-11 AM	PY 9.8 (1) Physiology of pregnancy parturition & lactation.	<b>Self Directed Learning (SDL):</b> Anatomy		<b>Self Directed Learning (SDL):</b> Biochemistry	<b>Early Clinical Exposure:</b> Biochemistry	AN13.4 Describe Sternoclavicular joint, Acromioclavicular joint, Carpometacarpal joints & Metacarpophalangeal joint	
11-01 AM	PY 3.18 Amphibian nerve muscle  BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •Protein electrophoresis	AN13.3 <b>Practical</b> - describe the elbow joint, proximal and distal radio-ulnar joints, wrist joint & first carpometacarpal joint		AN 72.1-DOAP session of slide pertaining to skin and its appendages under the microscope and correlate the structure with function		AN13.4 <b>Practical</b> - demonstrate & Identify Sternoclavicular joint, Acromioclavicular joint, Carpometacarpal joints & Metacarpophalangeal joint	
02-04 PM	AN13.2 <b>Practical</b> - demonstrate & Identify dermatomes of upper limb	PY 3.18 Amphibian nerve muscle  BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •Protein electrophoresis		PY 3.18 Amphibian nerve muscle  BIO-Tutorial	PY 9.8 (1) Physiology of pregnancy parturition & lactation.	Physio Tutorial	
04-05 PM					<b>LC: English</b> <b>Dr Asha</b>		

**Shaheed Hasan Khan Mewati Government Medical  
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**COMPETENCY BASED UNDERGRADUATE CURRICULUM FOR MBBS (2020-2021)**

Time	26.04.21 Mon	27.04.21 Tue	28.04.21 Wed	29.04.21 Thurs	30.04.21 Fri	01.05.21 Sat	02.05..21 Sun
08-09 AM	Extracurricular Activities	AN15.1 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh	PY 8.2 Synthesis, secretion transport, physiological action, regulation and effect of altered ( hypo and hyper) secretion of pituitary gland, thyroid gland, adrenal, gland, pancreas and hypothalamus	BI3.7 Common poisons that inhibit crucial enzyme of carbohydrate metabolism (e.g-. Fluoride, arsenate) (Horizontal Integration with Physiology)	PY 8.2 Synthesis, secretion transport, physiological action, regulation and effect of altered ( hypo and hyper) secretion of pituitary gland, thyroid gland, adrenal, gland, pancreas and hypothalamus	AETCOM – Biomedical waste management	
09-10 AM	AN13.8 Describe development of upper limb	CM 4.1 Describe various methods of health education with their advantages and limitations	AN15.2 Describe and demonstrate major muscles with their attachment, nerve supply and actions	AN15.3-4 Describe and demonstrate boundaries, floor, roof and contents of femoral triangle	BI3.8 interpret laboratory results of analytes associated with metabolism of carbohydrates (Vertical integration with Pathology and Medicine)	PY 9.8 (2) Physiology of pregnancy parturition & lactation . PY9.10 Physiological basis of various pregnancy tests	
10-11 AM	PY 9.8 (2) Physiology of pregnancy parturition & lactation . PY9.10 Physiological basis of various pregnancy tests	<b>Self Directed Learning (SDL):</b> Anatomy	<b>Self Directed Learning (SDL):</b> Physiology	<b>Self Directed Learning (SDL):</b> Biochemistry	<b>Early Clinical Exposure: Physiology</b>	AN15.5 Describe and demonstrate adductor canal with its content	
11-01 AM	PY 3.18 Amphibian nerve muscle  BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •Electrolyte analysis by ISE	AN15.1 <b>Practical</b> - demonstrate & Identify origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh	PY 3.18 Amphibian nerve muscle  BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •ABG analyzer	AN15.3-4 <b>Practical</b> - demonstrate & Identify boundaries, floor, roof and contents of femoral triangle		AN15.5 <b>Practical</b> - demonstrate & Identify adductor canal with its content	
	<b>L</b>	<b>U</b>	<b>N</b>	<b>C</b>	<b>H</b>		
02-04 PM	AN13.8 DOAP Session of slide pertaining development of upper limb	PY 3.18 Amphibian nerve muscle  BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •Electrolyte analysis by ISE	AN15.2 <b>Practical</b> - demonstrate & Identify major muscles with their attachment, nerve supply and actions	PY 3.18 Amphibian nerve muscle  BI11.16 Observe use of commonly used equipments/techniques in biochemistry laboratory including: •ABG analyzer	PY 8.2 Synthesis, secretion transport, physiological action, regulation and effect of altered ( hypo and hyper) secretion of pituitary gland, thyroid gland, adrenal, gland, pancreas and	Physio Tutorial	
04-05 PM							