KAMINENI ACADEMY OF MEDICAL SCIENCES & RESEARCH CENTRE, L.B.NAGAR, HYDERABAD: TELANGANA.
COMPETENCY BASED UNDERGRADUATE CURRICULUM FOR THE INDIAN MEDICAL GRADUATE
Time table for 1st MBBS (2019-2020 BATCH)

HOW TO READ TIME TABLE

ANATOMY AN-	BIOCHEMISTRY BI-	PHYSIOLOGY PY-
VERTICAL INTEGRATION	ALLIGNMENT TYPE OF INTEGRATION	SHARING TYPE OF INTEGRATION
EARLY CLINICAL EXPOSURE (ECE)	COMMUNITY MEDICINE CM-	

BATCHES: A-(1-50) B-(51-100) & C-(101-150) ON ROTATION FOR PRACTICALS

Note:

- **On every Monday, Wednesday and Friday 4 PM to 5 PM sports activity**
- **On every Tuesday, Thursday and Saturday language class**

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SEPTEMBER 2019

Date / Day	8.00-9.00 AM	9.00-10.00 AM	10.00-11.00 AM	11.00 AM -12noon	12.00 Noon -1.00 PM	2.00-4.00 PM
Monday 02/09 /19	**HOLIDAY**					
Tuesday 03/09 /19	**BIOCHEMISTRY BI-1.1 Describe the molecular and functional organization of a cell and its sub- cellular components. (CELL ORGANELLES) (A/I with PY-1.1)**	**ANATOMY AN-1.1 Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body**	**PHYSIOLOGY PY-1.1 Describe the structure of a mammalian cell (CELL MEMBRANE) (AI with BI-1.1)**	**DISSECTION AN- 1.1&1.2 Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body Describe composition of bone and bone marrow**		**Anatomy AN- 65.1-epithelium PY-2.11 MICROSCOPY & SAMPLING BI-11.3 &11.4 Describe the chemical components of normal urine (BI11.3) & Perform urine analysis to estimate and determine normal and abnormal constituents**
Wednesday 04/ 09/19	**ANATOMY AN-1.2 & 2.1 Describe composition of bone and bone marrow & Describe parts, blood and nerve supply of a long bone**	**BIOCHEMISTRY BI-2.1 &2.3 Explain fundamental concepts of enzyme, isoenzyme, alloenzyme, coenzyme & co-factors. Enumerate the main classes of IUBMB nomenclature. Describe and explain the basic principles of enzyme activity**	**ANATOMY AN-2.2 & 2.3 Enumerate laws of ossification Enumerate special features of a sesamoid bone**	**DISSECTION AN- 1.1&1.2 Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body Describe composition of bone and bone marrow**		**Anatomy AN- 65.1-epithelium PY-2.11 MICROSCOPY & SAMPLING BI-11.3 &11.4 Describe the chemical components of normal urine (BI11.3) & Perform urine analysis to estimate and determine normal and abnormal constituents**
Thursday 05/ 09/19	**PHYSIOLOGY PY-1.1 Describe the functions of a mammalian cell (AI with BIOCHEMISTRY BI-1.1)**	**AETCOM – MODULE 1.5 ANATOMY The cadaver as our first teacher OPENING SESSION**		**DISSECTION AN- 1.1&1.2 Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body Describe composition of bone and bone marrow**		**SGD/ GROUP DYNAMICS**
Friday 06/ 09/19	**PHYSIOLOGY PY-1.3 Describe intercellular communication**	**BIOCHEMISTRY BI-2.1&2.3 Explain fundamental concepts of enzyme, isoenzyme, alloenzyme, coenzyme & co-factors. Enumerate the main classes of IUBMB nomenclature. Describe and explain the basic principles of enzyme activity**	**ANATOMY AN-2.4 Describe various types of cartilage with its structure & distribution in body**	**DISSECTION AN- 1.1&1.2 Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body Describe composition of bone and bone marrow**		**SGD BI-11.6 Describe the principles of colorimetry**
Saturday 07/09/19	**ANATOMY AN-2.5 Describe various joints with subtypes and examples**	**BIO SDL**	**PHYSIOLOGY PY-1.3 Describe intercellular communication**	**DISSECTION /SDL**		**Sports/extracurricular/self development**

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Monday 09/ 09/19	**ANATOMY** **AN-65.2** **Describe the ultrastructure of epithelium**	**SPM** **CM- 1.2** **Concept of holistic health** **Determinants of health**		**BIOCHEMISTRY** **BI-2.1 & 2.3** **Explain fundamental concepts of enzyme, isoenzyme, alloenzyme, coenzyme & co-factors. Enumerate the main classes of IUBMB nomenclature.** **Describe and explain the basic principles of enzyme activity**	**PHYSIOLOGY** **PY-1.5** **Describe and discuss transport mechanisms across cell membranes**	**Anatomy** **AN- 65.1-epithelium** **PY-2.11** **MICROSCOPY & SAMPLING** **BI-11.3 &11.4** **Describe the chemical components of normal urine (BI11.3) &** **Perform urine analysis to estimate and determine normal and abnormal constituents**
Tuesday 10/09/19	**HOLIDAY**					
Wednesday 11/09 /19	**ANATOMY** **AN-2.5** **Describe various joints with subtypes and examples**	**BIOCHEMISTRY** **BI-2.1 &2.3** **Explain fundamental concepts of enzyme, isoenzyme, alloenzyme, coenzyme & co-factors. Enumerate the main classes of IUBMB nomenclature.** **Describe and explain the basic principles of enzyme activity**	**ANATOMY** **AN-2.6** **Explain the concept of nerve supply of joints & Hilton's law**	**AN- 1.1&1.2** **Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body** **Describe composition of bone and bone marrow**		
Thursday 12/09 /19	**PHYSIOLOGY** **PY-1.2** **Describe and discuss the principles of homeostasis**	**BIOCHEMISTRY** **AETCOM – MODULE 1.1** **PANEL DISCUSSION**		**AN- 1.1&1.2** **Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body** **Describe composition of bone and bone marrow**		**SGD AFTER SDL** **PY-1.5** **Describe and discuss transport mechanisms across cell membranes**
Friday 13/ 09/19	**PHYSIOLOGY** **PY-1.6** **Describe the fluid compartments of the body, its ionic composition & measurements** **A/I** **WITH** **BIOCHEMISTRY**	**BIOCHEMISTRY** **BI-2.1 &2.3** **Explain fundamental concepts of enzyme, isoenzyme, alloenzyme, coenzyme & co-factors. Enumerate the main classes of IUBMB nomenclature.** **Describe and explain the basic principles of enzyme activity**	**ANATOMY** **AN-3.1,3.2 & 3.3** **Classify muscle tissue according to structure & action &** **Enumerate parts of skeletal muscle and differentiate between tendons and aponeuroses with examples** **Explain Shunt and spurt muscles**	**AN- 1.1&1.2** **Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body** **Describe composition of bone and bone marrow**		**BIOCHEMISTRY** **AETCOM – MODULE 1.1** **DISCUSSION & CLOSURE OF CASE**
Saturday 14/09/19	**ANATOMY** **AN-4.1** **Describe structure & function of skin with its appendages**	**BIO SDL**	**PHYSIOLOGY** **PY-1.8** **Describe and discuss the molecular basis of resting membrane potential and action potential in excitable tissue**	**DISSECTION /SDL**		**Sports/extracurricular/self development**

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Date / Day	8.00-9.00 AM	9.00-10.00 AM	10.00-11.00 AM	11.00 AM -12noon	12.00 Noon -1.00 PM	2.00-4.00 PM
Monday **16/09 /19**	**ANATOMY** **AN-66.1& 66.2** **Describe & identify various types of connective tissue with functional correlation &Describe the ultrastructure of connective tissue**	**SPM** **CM-1.3** **Agent, host and environmental factors in health and disease** **And multi factorial etiology of disease** **CM-1.4** **Natural history of disease**		**BIOCHEMISTRY** **BI-2.4 & 2.6** **Describe and discuss enzyme inhibitors as poisons and drugs and as therapeutic enzymes** **Discuss use of enzymes in laboratory investigations (Enzyme-based assays)**	**PHYSIOLOGY** **PY-1.8** **Describe and discuss the molecular basis of resting membrane potential and action potential in excitable tissue**	**AN-66.1 & 66.2** **PY-2.11** **BLOOD GROUPS** **BI-11.20** **Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states**
Tuesday **17/ 09 /19**	**BIOCHEMISTRY** **BI-2.5 &2.7** **Describe and discuss the clinical utility of various serum enzymes as markers of pathological conditions & Interpret laboratory results of enzyme activities & describe the clinical utility of various enzymes as markers of pathological conditions**	**ANATOMY** **AN-4.2/4.5** **Describe different types of skin & dermatomes in body** **Explain principles of skin incisions**	**PHYSIOLOGY** **PY-1.4** **Describe apoptosis – programmed cell death**	**DISSECTION** **AN- 2.3&2.4** **Enumerate laws of ossification** **Describe various types of cartilage with its structure & distribution in body**		**AN-66.1 & 66.2** **PY-2.11** **BLOOD GROUPS** **BI-11.20** **Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states**
Wednesday **18/09 /19**	**ANATOMY** **AN-4.3/4.4** **Describe superficial fascia along with fat distribution in body** **Describe modifications of deep fascia with its functions**	**BIOCHEMISTRY** **BI-6.6** **Describe the biochemical processes involved in generation of energy in cells.**	**ANATOMY** **AN- 7.1 to 7.3** **Describe general plan of nervous system with components of central, peripheral & autonomic nervous systems** **List components of nervous tissue and their functions** **Describe parts of a neuron and classify them based on number of neurites, size & function** **(A/I PHYSIOLOGY PY-3.1)**	**DISSECTION** **AN- 2.3&2.4** **Enumerate laws of ossification** **Describe various types of cartilage with its structure & distribution in body** **DISSECTION**		**AN-66.1 & 66.2** **PY-2.11** **BLOOD GROUPS** **BI-11.20** **Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states**
Thursday **19/ 09 /19**	**PHYSIOLOGY** **PY-3.1** **Describe the structure and functions of a neuron and neuroglia;** **Discuss Nerve Growth Factor & other growth factors/cytokines** **(A/I ANATOMY AN- 7.1 to 7.3)**	**PHYSIOLOGY** **AETCOM – MODULE 1.2** **What does it mean to be a patient?** **EXPLORATORY SESSION**		**DISSECTION** **AN- 2.3&2.4** **Enumerate laws of ossification** **Describe various types of cartilage with its structure & distribution in body** **DISSECTION**		**SGD** **PY-1.8** **Describe and discuss the molecular basis of resting membrane potential and action potential in excitable tissue**

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Friday **20/ 09 /19**	**PHYSIOLOGY** **A/I** **PY-1.7** **Describe the concept of pH & Buffer systems in the body & BI-6.7 & 6.8** **Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these.**	**BIOCHEMISTRY** **BI-6.6** **Describe the biochemical processes involved in generation of energy in cells.**	**ANATOMY** **AN- 7.4to 7.6** **Describe structure of a typical spinal nerve** **Describe principles of sensory and motor innervation of muscles** **Describe concept of loss of innervation of a muscle with its applied anatomy**	**DISSECTION** **AN- 2.3&2.4** **Enumerate laws of ossification** **Describe various types of cartilage with its structure & distribution in body** **DISSECTION**	**A/I** **PY-1.7** **Describe the concept of pH & Buffer systems in the body & BI-6.7 & 6.8** **Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these.**
Saturday **21/09/19**	**ANATOMY** **AN- 7.7 to 7.8** **Describe various type of synapse** **Describe differences between sympathetic and spinal ganglia**	**BIO SDL**	**PHYSIOLOGY** **PY-2.1** ***Describe the composition and functions of blood components***	**DISSECTION /SDL**	**Sports/extracurricular/self development**

Monday **23/ 09 /19**	**ANATOMY** **AN-67.1 to 67.3** **Describe & identify various types of muscle under the microscope** **Describe the ultrastructure of muscular tissue**	**SPM** **CM-2.2** **Socio cultural factors influencing health family and its types and role of family in health and disease** **Cultural factors and its impact on health and disease** ***(SDL)***		**BIOCHEMISTRY** **BI-3.1** **Discuss and differentiate monosaccharides, di-saccharides and polysaccharides giving examples of main carbohydrates as energy fuel, structural element and storage in the human body**	**SGD AFTER SDL** **PY-1.9** **Demonstrate the ability to describe and discuss the methods used to demonstrate the functions of the cells and its products, its Communications and their applications in Clinical care and research.**	**AN- 67.1 to 67.3** **Describe & identify various types of muscle under the microscope.Describe the ultrastructure of muscular tissue** **PY-2.11** **RBC COUNT** **BI-11.7** **Demonstrate the estimation of serum creatinine and creatinine clearance**
Tuesday **24/ 09 / 19**	**BIOCHEMISTRY** **BI-3.2 & 3.3** **Describe the processes involved in digestion and assimilation of carbohydrates and storage &** **Describe and discuss the digestion and assimilation of carbohydrates from food**	**ANATOMY** **AN- 5.1 to 5.4** **Differentiate between blood vascular and lymphatic system** **Differentiate between pulmonary and systemic circulation** **List general differences between arteries & veins** **Explain functional difference between elastic, muscular arteries and arterioles**	**PHYSIOLOGY** **PY-3.2** **Describe the types, functions & properties of nerve fibers**	**DISSECTION** **AN- 2.4,2.6** **Describe various types of cartilage with its structure & distribution in body** **Explain the concept of nerve supply of joints & Hilton's law**		**AN- 67.1 to 67.3** **Describe & identify various types of muscle under the microscope.Describe the ultrastructure of muscular tissue** **PY-2.11** **RBC COUNT** **BI-11.7** **Demonstrate the estimation of serum creatinine and creatinine clearance**

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Wednesday 25/ 09/19	**ANATOMY** **AN- 5.5to5.8** **Describe portal system giving examples** **Describe the concept of anastomoses and collateral circulation with significance of end-arteries** **Explain function of meta-arterioles, precapillary sphincters, arterio-venous anastomoses** **Define thrombosis, infarction & aneurysm**	**BIOCHEMISTRY** **BI-3.4 & 3.7** **Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt) &** **Describe the common poisons that inhibit crucial enzymes of carbohydrate metabolism (eg; fluoride, arsenate)**	**ANATOMY** **AN- 6.1& to 6.3** **List the components and functions of the lymphatic system** **Describe structure of lymph capillaries & mechanism of lymph circulation** **Explain the concept of lymphoedema and spread of tumors via lymphatics and venous system**	**DISSECTION** **AN- 2.4,2.6** **Describe various types of cartilage with its structure & distribution in body** **Explain the concept of nerve supply of joints & Hilton's law**	**AN- 67.1 to 67.3** **Describe & identify various types of muscle under the microscope.Describe the ultrastructure of muscular tissue** **PY-2.11** **RBC COUNT** **BI-11.7** **Demonstrate the estimation of serum creatinine and creatinine clearance**
Thursday 26/ 09/19	**LECTURE AFTER SDL-1HOUR** **PHYSIOLOGY** **PY-2.2** **Discuss the origin, forms, variations and functions of plasma proteins**	**PHYSIOLOGY** **AETCOM – MODULE 1.2** **What does it mean to be a patient?** **HOSPITAL VISIT**		**DISSECTION** **AN- 2.4,2.6** **Describe various types of cartilage with its structure & distribution in body** **Explain the concept of nerve supply of joints & Hilton's law**	**PHYSIOLOGY** **PY-3.2** **Describe the types, functions & properties of nerve fibers**
Friday 27/ 09/19	**PHYSIOLOGY** **PY-3.3** **Describe the degeneration and regeneration in peripheral nerves**	**BIOCHEMISTRY** **BI-3.4 & 3.7** **Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt) &** **Describe the common poisons that inhibit crucial enzymes of carbohydrate metabolism (eg; fluoride, arsenate)**	**ANATOMY** **AN- 9.1** **Describe attachment, nerve supply & action of pectoralis major and pectoralis minor**	**DISSECTION** **AN- 2.4,2.6** **Describe various types of cartilage with its structure & distribution in body** **Explain the concept of nerve supply of joints & Hilton's law**	**SGD/** **BI-6.8** **Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders**
SATURDAY 28/09/19	**HOLIDAY**				

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Monday 30/09/19	**ANATOMY** **AN-68.1 to 68.3 Describe & Identify multipolar & unipolar neuron, ganglia, peripheral nerve** **Describe the ultrastructure of nervous tissue**	**SPM** **SGD** **CM-2.3** **Assessment of barriers to good healthy and health seeking behavior**		**BIOCHEMISTRY** **BI-3.4 & 3.7** **Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt) &** **Describe the common poisons that inhibit crucial enzymes of carbohydrate metabolism (eg; fluoride, arsenate)**	**PHYSIOLOGY** **PY-3.4** **Describe the structure of neuro-muscular junction and transmission of impulses**	**AN- 68.1 to 68.3** **Describe & Identify multipolar & unipolar neuron, ganglia, peripheral nerve** **Describe the ultrastructure of nervous tissue** **PY-2.11** **Hb ESTIMATION** **BI-11.8** **Demonstrate estimation of serum proteins, albumin and A:G ratio**
Tuesday 01/ 10/19	**BIOCHEMISTRY** **BI-5.1** **Describe and discuss structural organization of proteins**	**ANATOMY** **AN- 9.2to 9.3** **Breast: Describe the location, extent, deep relations, structure, age changes, blood supply, lymphatic drainage, microanatomy and applied anatomy of breast** **Describe development of breast**	**PHYSIOLOGY** **PY-2.3** **Describe and discuss the synthesis and functions of Haemoglobin and explain its breakdown.** **Describe variants of haemoglobin** **(A/I WITH BI-5.2, 6.11,6.12)**	**DISSECTION** **AN-9.1 , 9.2 & 9.3** **Describe attachment, nerve supply & action of pectoralis major and pectoralis minor** **Breast: Describe the location, extent, deep relations, structure, age changes, blood supply, lymphatic drainage, microanatomy and applied anatomy of breast** **Describe development of breast**		**AN- 68.1 to 68.3** **Describe & Identify multipolar & unipolar neuron, ganglia, peripheral nerve** **Describe the ultrastructure of nervous tissue** **PY-2.11** **Hb ESTIMATION** **BI-11.8** **Demonstrate estimation of serum proteins, albumin and A:G ratio**
Wednesday 02/10/19	**HOLIDAY**					
Thursday 03/10/19	**PHYSIOLOGY** **PY-2.3** **Describe and discuss the synthesis and functions of Haemoglobin and explain its breakdown.** **Describe variants of haemoglobin** **(A/I WITH BI-5.2, 6.11,6.12)**	**BIOCHEMISTRY** **BI-5.2, 6.11,6.12** **Describe and discuss functions of proteins and structure-function relationships in relevant areas eg, hemoglobin and selected hemoglobinopathies** **Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin metabolism.** **Describe the major types of haemoglobin and its derivatives found in the body and their physiological/ pathological relevance** **(A/I WITH PY-2.3)**		**DISSECTION** **AN-9.1 , 9.2 & 9.3** **Describe attachment, nerve supply & action of pectoralis major and pectoralis minor** **Breast: Describe the location, extent, deep relations, structure, age changes, blood supply, lymphatic drainage, microanatomy and applied anatomy of breast**		**SGD** **PY-2.5** **Describe different types of *Jaundice***
Friday 04/10/19	**PHYSIOLOGY** **PY-3.4** **Describe the structure of neuro-muscular junction and transmission of impulses**	**BIOCHEMISTRY** **BI-3.4 & 3.7** **Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt) &** **Describe the common poisons that inhibit crucial enzymes of carbohydrate metabolism (eg; fluoride, arsenate)**	**ANATOMY** **AN- 10.1,10.4 & 10.7** **Identify & describe boundaries and contents of axilla** **Describe the anatomical groups of axillary lymph nodes and specify their areas of drainage** **Explain anatomical basis of enlarged axillary lymph nodes**	**DISSECTION** **AN-9.1 , 9.2 & 9.3** **Describe attachment, nerve supply & action of pectoralis major and pectoralis minor** **Breast: Describe the location, extent, deep relations, structure, age changes, blood supply, lymphatic drainage, microanatomy and applied anatomy of breast**		**BIOCHEMISTRY** **BI-5.2, 6.11,6.12** **Describe and discuss functions of proteins and structure-function relationships in relevant areas eg, hemoglobin and selected hemoglobinopathies** **Describe the functions of haem in the body and describe the processes involved in its metabolism and describe**

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					porphyrin metabolism. Describe the major types of haemoglobin and its derivatives found in the body and their physiological/ pathological relevance (A/I WITH PY-2.3)
Saturday 05/ 10/19	**ANATOMY AN- 10.2 Identify, describe and demonstrate the origin, extent, course, parts, relations and branches of axillary artery & tributaries of vein**	**BIO SDL**	**PHYSIOLOGY PY-2.4 Describe RBC formation (erythropoiesis & its regulation) and its functions**	**DISSECTION /SDL**	**Sports/extracurricular/self development**

Monday 07/ 10/19	**HOLIDAY**				
Tuesday 08/ 10/19					
Wednesday 09/ 10/19					
Thursday 10/10/19	**PHYSIOLOGY PY-2.4 Describe RBC formation (erythropoiesis & its regulation) and its functions**	**PHYSIOLOGY AETCOM – MODULE 1.2 What does it mean to be a patient? DISCUSSION AND CLOSURE OF CASE**		**DISSECTION AN- 10.1,10.2, 10.4 &10.7 Identify & describe boundaries and contents of axilla Identify, describe and demonstrate the origin, extent, course, parts, relations and branches of axillary artery & tributaries of vein Describe the anatomical groups of axillary lymph nodes and specify their areas of drainage Explain anatomical basis of enlarged axillary lymph nodes**	**SGD AFTER SDL-1HOUR PHYSIOLOGY PY-3.5, 3.6 Discuss the action of neuro-muscular blocking agents**
Friday 11/10/19	**SGD PY-3.5 & 3.6 Discuss the action of neuro-muscular blocking agents & Describe the pathophysiology of Myasthenia gravis**	**BIOCHEMISTRY BI-3.4, 3.5& 3.7 Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt) & Describe the common poisons that inhibit crucial enzymes of carbohydrate metabolism (eg; fluoride, arsenate)**	**ANATOMY AN- 10.3/5/6 Describe, identify and demonstrate formation, branches, relations, area of supply of branches, course and relations of terminal branches of brachial plexus Explain variations in formation of brachial plexus Explain the anatomical basis of clinical features of Erb's palsy and Klumpke's paralysis**	**DISSECTION AN- 10.1,10.2, 10.4 &10.7 Identify & describe boundaries and contents of axilla Identify, describe and demonstrate the origin, extent, course, parts, relations and branches of axillary artery & tributaries of vein Describe the anatomical groups of axillary lymph nodes and specify their areas of drainage Explain anatomical basis of enlarged axillary lymph nodes**	**SGD/ BI-11.2 Describe the preparation of buffers and estimation of pH.**

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Saturday 12/10/19	**ANATOMY AN- 10.8 & 10.9 Describe, identify and demonstrate the position, attachment, nerve supply and actions of trapezius and latissimus dorsi Describe the arterial anastomosis around the scapula and mention the boundaries of triangle of auscultation**	**BIO SDL**	**PHYSIOLOGY PY-2.5 Describe different types of anaemias A/I WITH PATHOLOGY INTEGRATE**	**DISSECTION /SDL**	**Sports/extracurricular/self development**

Monday 14/10 /19	**ANATOMY AN- 69.1/2/3 Identify elastic & muscular blood vessels, capillaries under the microscope Describe the various types and structure-function correlation of blood vessel Describe the ultrastructure of blood vessels**	**SPM SGD/ DOAP CM-1.10 Important aspects of doctor patient relationship in a simulated environment**		**BIOCHEMISTRY BI-3.6 Describe and discuss the concept of TCA cycle as aamphibolic pathway and its regulation.**	**PHYSIOLOGY PY-3.7 Describe the different types of muscle fibres and their structure A/I WITH ANATOMY**	**AN-69.1 to 3 Identify elastic & muscular blood vessels, capillaries under the microscope Describe the ultrastructure of blood vessels PY-2.11 RBC INDICES BI-11.9 Demonstrate the estimation of serum total cholesterol and HDL- cholesterol**
Tuesday 15/10 /19	**BIOCHEMISTRY BI-3.6 Describe and discuss the concept of TCA cycle as aamphibolic pathway and its regulation.**	**ANATOMY AN-10.10**	**PHYSIOLOGY PY-3.8 Describe action potential and its properties in different muscle types (skeletal & smooth)**	**DISSECTION AN- 10.3/5/6 Describe, identify and demonstrate formation, branches, relations, area of supply of branches, course and relations of terminal branches of brachial plexus Explain variations in formation of brachial plexus Explain the anatomical basis of clinical features of Erb's palsy and Klumpke's paralysis**		**AN-69.1 to 3 Identify elastic & muscular blood vessels, capillaries under the microscope Describe the ultrastructure of blood vessels PY-2.11 RBC INDICES BI-11.9 Demonstrate the estimation of serum total cholesterol and HDL- cholesterol**
Wednesday 16/10 /19	**ANATOMY AN-10.12 & 10.13**	**BIOCHEMISTRY BI-3.8 & 3.10 Discuss and interpret laboratory results of analytes associated with metabolism of carbohydrates & Interpret the results of blood glucose levels and other laboratory investigations related to disorders of carbohydrate metabolism**	**ANATOMY AN-76.1 & 76.2 STAGES OF HUMAN LIFE AND EXPLAINING THE TERMS PHYLOGENY, ONTOGENY, TRIMESTER,VIABILITY**	**DISSECTION AN- 10.3/5/6 Describe, identify and demonstrate formation, branches, relations, area of supply of branches, course and relations of terminal branches of brachial plexus Explain variations in formation of brachial plexus Explain the anatomical basis of clinical features of Erb's palsy and Klumpke's paralysis**		**AN-69.1 to 3 Identify elastic & muscular blood vessels, capillaries under the microscope Describe the ultrastructure of blood vessels PY-2.11 Hb ESTIMATION &RBC INDICES BI-11.9 Demonstrate the estimation of serum total cholesterol and**

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						HDL- cholesterol
Thursday 17/10 /19	**PHYSIOLOGY PY-2.6 Describe WBC formation (granulopoiesis) and its regulation**	**BIOCHEMISTRY AETCOM – MODULE 1.3 The doctor-patient relationship LARGE GROUP DISCUSSION**			**DISSECTION AN- 10.3/5/6 Describe, identify and demonstrate formation, branches, relations, area of supply of branches, course and relations of terminal branches of brachial plexus Explain variations in formation of brachial plexus Explain the anatomical basis of clinical features of Erb's palsy and Klumpke's paralysis**	**TUTORIAL PY-2.5 Describe different types of anaemias & Jaundice**
Friday 18/10 /19	**PHYSIOLOGY PY-3.8 Describe action potential and its properties in different muscle types (skeletal & smooth)**	**BIOCHEMISTRY BI-3.8 & 3.10 Discuss and interpret laboratory results of analytes associated with metabolism of carbohydrates & Interpret the results of blood glucose levels and other laboratory investigations related to disorders of carbohydrate metabolism**	**ANATOMY AN-11.1 & 11.4**		**DISSECTION AN- 10.8 & 10.9 Describe, identify and demonstrate the position, attachment, nerve supply and actions of trapezius and latissimus dorsi Describe the arterial anastomosis around the scapula and mention the boundaries of triangle of auscultation**	**BIOCHEMISTRY AETCOM – MODULE 1.3 The doctor-patient relationship INTERACTIVE SESSION**
Saturday 19/10 /19	**ANATOMY AN-11.2**	**BIO SDL**	**PHYSIOLOGY PY-2.7 Describe the formation of platelets, functions and variations**		**DISSECTION /SDL**	**Sports/extracurricular/self development**
Monday 21/10 /19	**ANATOMY AN-70.1**	**SPM CM-2.5 Poverty and its relationship to health and disease CM-2.2 Assessment of socioeconomic status of family in a given case (SGD)**		**BIOCHEMISTRY BI-3.9 Discuss the mechanism and significance of blood glucose regulation in health and disease.**	**PHYSIOLOGY PY-2.8 Describe the physiological basis of hemostasis and, anticoagulants. Describe bleeding & clotting disorders (Hemophilia, purpura)**	**AN-70.1 PY-2.11 TLC BI-11.10 Demonstrate the estimation of triglycerides**
Tuesday 22/10 /19	**BIOCHEMISTRY BI-4.1 Describe and discuss main classes of lipids (Essential/non-essential fatty acids, cholesterol and hormonal steroids, triglycerides, major phospholipids and sphingolipids) relevant to human system and their major functions.**	**ANATOMY AN-11.3,11.5 & 11.6**	**PHYSIOLOGY PY-3.9 Describe the molecular basis of muscle contraction in skeletal and in smooth muscles**	**DISSECTION AN-10.10,10.11, 11.1&11.4 Describe and identify the deltoid and rotator cuff muscles Describe & demonstrate attachment of serratus anterior with its action Describe and demonstrate muscle groups of upper arm with emphasis on biceps and triceps brachii Describe the anatomical basis of Saturday night paralysis**		**AN-70.1 PY-2.11 TLC BI-11.10 Demonstrate the estimation of triglycerides**

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Wednesday 22/10 /19	**ANATOMY AN-12.1**	**BIOCHEMISTRY BI-4.1 Describe and discuss main classes of lipids (Essential/non-essential fatty acids, cholesterol and hormonal steroids, triglycerides, major phospholipids and sphingolipids) relevant to human system and their major functions.**	**ANATOMY AN-77.1 & 77.2 Describe the uterine changes occurring during the menstrual cycle Describe the synchrony between the ovarian and**	**DISSECTION AN-10.10,10.11, 11.1&11.4 Describe and identify the deltoid and rotator cuff muscles Describe & demonstrate attachment of serratus anterior with its action Describe and demonstrate muscle groups of upper arm with emphasis on biceps and triceps brachii Describe the anatomical basis of Saturday night paralysis**	**AN-70.1 PY-2.11 TLC BI-11.10 Demonstrate the estimation of triglycerides**
Thursday 23/10 /19	**PHYSIOLOGY PY-2.8 Describe the physiological basis of hemostasis and, anticoagulants. Describe bleeding & clotting disorders (Hemophilia, purpura)**	**BIOCHEMISTRY AETCOM – MODULE 1.3 The doctor-patient relationship DISCUSSION AND CLOSURE**		**DISSECTION AN-10.10,10.11, 11.1&11.4 Describe and identify the deltoid and rotator cuff muscles Describe & demonstrate attachment of serratus anterior with its action Describe and demonstrate muscle groups of upper arm with emphasis on biceps and triceps brachii Describe the anatomical basis of Saturday night paralysis**	**SGD PY-3.8 Describe action potential and its properties in different muscle types (skeletal & smooth)**
Friday 24/10 /19	**PHYSIOLOGY PY-3.9 Describe the molecular basis of muscle contraction in skeletal and in smooth muscles**	**BIOCHEMISTRY BI-4.2 Describe the processes involved in digestion and absorption of dietary lipids and also the key features of their metabolism**	**ANATOMY AN-12.2**	**DISSECTION AN-10.10,10.11, 11.1&11.4 Describe and identify the deltoid and rotator cuff muscles Describe & demonstrate attachment of serratus anterior with its action Describe and demonstrate muscle groups of upper arm with emphasis on biceps and triceps brachii Describe the anatomical basis of Saturday night paralysis**	**SGD PY-2.8 Describe the physiological basis of hemostasis and, anticoagulants. Describe bleeding & clotting disorders (Hemophilia, purpura)**
Saturday 25/10 /19	**ANATOMY AN- 12.3& 12.4 Identify & describe flexor retinaculum with its attachments Explain anatomical basis of carpal tunnel syndrome**	**BIO SDL**	**PHYSIOLOGY PY-3.10 &3.11 Describe the mode of muscle contraction (isometric and isotonic)**	**DISSECTION /SDL**	**Sports/extracurricular/self development**

Monday 28/10/19	**ANATOMY AN 71.1 BONE**	**SPM CM-9.1 Demography and demographic cycle CM-9.7 Vital statistics and its sources including census, SRS, NFHS etc SDL- FOR CM 9.1 & CM 9.7**		**BIOCHEMISTRY BI-4.3 Explain the regulation of lipoprotein metabolism & associated disorders (Dyslipidemia)**	**PHYSIOLOGY PY-3.11 Explain energy source and muscle metabolism A/I WITH BIOCHEMISTRY**	**AN 71.1 BONE PY-2.11 BT CT BI-11.11 Demonstrate estimation of calcium and phosphorous**
Tuesday 29/10/19	**BIOCHEMISTRY BI-4.3 Explain the regulation of lipoprotein metabolism & associated disorders (Dyslipidemia)**	**ANATOMY AN- 13.3 Identify & describe the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, blood and nerve supply of**	**PHYSIOLOGY PY-2.9 Describe different blood groups and discuss the clinical importance of blood grouping, blood banking and transfusion**	**DISSECTION AN- 11.3&5&6 Describe the anatomical basis of Venepuncture of cubital veins Identify & describe boundaries and contents of cubital fossa**		**AN 71.1 BONE PY-2.11 BT CT BI-11.11 Demonstrate estimation of calcium and phosphorous**

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		elbow joint,		**Describe the anastomosis around the elbow joint**	
Wednesday 30/10/19	**ANATOMY AN- 13.3 Identify & describe the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, blood and nerve supply of proximal and distal radio-ulnar joints,**	**BIOCHEMISTRY BI-4.4 Describe the structure and functions of lipoproteins, their functions, interrelations & relations with atherosclerosis**	**ANATOMY AN- 77.3& 77.4 Describe spermatogenesis and oogenesis along with diagrams Describe the stages and consequences of fertilisation**	**DISSECTION AN- 11.3&5&6 Describe the anatomical basis of Venepuncture of cubital veins Identify & describe boundaries and contents of cubital fossa Describe the anastomosis around the elbow joint**	**AN 71.1 BONE PY-2.11 BT CT BI-11.11 Demonstrate estimation of calcium and phosphorous**
Thursday 31/10/19	**PHYSIOLOGY PY-2.9 Describe different blood groups and discuss the clinical importance of blood grouping, blood banking and transfusion**	**PHYSIOLOGY AETCOM – MODULE 1.4 The foundations of communication – 1 LARGE GROUP DISCUSSION**		**DISSECTION AN- 11.3&5&6 Describe the anatomical basis of Venepuncture of cubital veins : Identify & describe boundaries and contents of cubital fossa :Describe the anastomosis around the elbow joint**	**PHYSIOLOGY PY-3.9/SGD Describe the molecular basis of muscle contraction in skeletal and in smooth muscles**
Friday 01/11/19	**PHYSIOLOGY PY-3.12 Explain the gradation of muscular activity**	**BIOCHEMISTRY BI-4.6 Describe the therapeutic uses of prostaglandins and inhibitors of eicosanoid synthesis**	**ANATOMY AN- 13.3 & 13.4 Identify & describe the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, blood and nerve supply of wrist joint & first carpometacarpal joint & Metcarpophalyngial joint**	**DISSECTION AN -12.1 & 12.2 Describe and demonstrate important muscle groups of ventral forearm with attachments, nerve supply and actions Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of forearm**	**SGD/ BI-4.5 & 4.7 Interpret laboratory results of analytes associated with metabolism of lipids & Interpret laboratory results of analytes associated with metabolism of lipids**
Saturday 02/11/19	**ANATOMY AN-12.5 & 12.6 Identify & describe small muscles of hand. Also describe movements of thumb and muscles involved Describe & demonstrate movements of thumb and muscles involved**	**BIO SDL**	**PHYSIOLOGY PY-2.10 Define and classify different types of immunity. Describe the development of immunity and its regulation A/I WITH BIOCHEMISTRY BI-10.4**	**DISSECTION /SDL**	**Sports/extracurricular/self development**

Monday 04/11 /19	**ANATOMY AN- 71.2 Identify cartilage under the microscope & describe various types and structure-function correlation of the same**	**SPM SGD CM-9.4 Causes and consequences of population explosion**	**BIOCHEMISTRY BI-5.3 Describe the digestion and absorption of dietary proteins.**	**PHYSIOLOGY PY-2.10 Define and classify different types of immunity. Describe the development of immunity and its regulation A/I WITH BIOCHEMISTRY BI-10.4**	**AN- 71.2 Identify cartilage under the microscope & describe various types and structure- function correlation of the same PY-2.11 DLC BI-11.12 Demonstrate the estimation of serum bilirubin**

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Tuesday **05/11 /19**	**BIOCHEMISTRY** **BI-5.4** **Describe common disorders associated with protein metabolism**	**ANATOMY** **AN- 12.7 & 12.9** **Identify & describe course and branches of important blood vessels and nerves in hand** **Identify & describe fibrous flexor sheaths, ulnar bursa, radial bursa and digital synovial sheaths**	**FORMATIVE ASSESSMENT (ANATOMY+ BIOCHEMISTRY+ PHYSIOLOGY)**	**DISSECTION** **AN- 12.3, 12.4, 12.5 , 12.6 & 12.7** **Identify & describe flexor retinaculum with its attachments Explain anatomical basis of carpal tunnel syndrome :Identify & describe small muscles of hand. Also describe movements of thumb and muscles involved Describe & demonstrate movements of thumb and muscles involved :Identify & describe course and branches of important blood vessels and nerves in hand**	**AN- 71.2** **Identify cartilage under the microscope & describe various types and structure- function correlation of the same** **PY-2.11DLC** **BI-11.12** **Demonstrate the estimation of serum bilirubin**
Wednesday **06/11 /19**	**ANATOMY** **AN-12.8** **Describe anatomical basis of Claw hand**	**BIOCHEMISTRY** **BI-6.1** **Discuss the metabolic processes that take place in specific organs in the body in the fed and fasting states.**	**ANATOMY** **AN- 77.5&77.6** **Enumerate and describe the anatomical principles underlying contraception** **Describe teratogenic influences; fertility and sterility, surrogate motherhood, social significance of "sex-ratio".**	**DISSECTION** **AN- 12.3, 12.4, 12.5 , 12.6 & 12.7** **Identify & describe flexor retinaculum with its attachments Explain anatomical basis of carpal tunnel syndrome** **Identify & describe small muscles of hand. Also describe movements of thumb and muscles involved** **Describe & demonstrate movements of thumb and muscles involved** **Identify & describe course and branches of important blood vessels and nerves in hand**	**AN- 71.2** **Identify cartilage under the microscope & describe various types and structure- function correlation of the same** **PY-2.11** **DLC** **BI-11.12** **Demonstrate the estimation of serum bilirubin**
Thursday **07/11 /19**	**PHYSIOLOGY** **PY-3.13/SGD** **Describe muscular dystrophy: myopathies**	**PHYSIOLOGY** **AETCOM – MODULE 1.4** **The foundations of communication – 1** **SMALL GROUP DISCUSSION**		**DISSECTION AN- 12.3, 12.4, 12.5 , 12.6 & 12.7** **Identify & describe flexor retinaculum with its attachments Explain anatomical basis of carpal tunnel syndrome: Identify & describe small muscles of hand. Also describe movements of thumb and muscles involved Describe & demonstrate movements of thumb and muscles involvedIdentify & describe course and branches of important blood vessels and nerves in hand**	**SGD** **PY-2.9** **Describe different blood groups and discuss the clinical importance of blood grouping, blood banking and transfusion**
Friday **08/11 /19**	**PHYSIOLOGY** **PY-3.17** **Describe Strength-duration curve**	**BIOCHEMISTRY** **BI-6.2** **Describe and discuss the metabolic processes in which nucleotides are involved.**	**ANATOMY** **AN-12.10** **Explain infection of fascial spaces of palm**	**DISSECTION** **AN- 12.3, 12.4, 12.5 , 12.6 & 12.7** **Identify & describe flexor retinaculum with its attachments Explain anatomical basis of carpal tunnel syndrome** **Identify & describe small muscles of hand. Also describe movements of thumb and muscles involved** **Describe & demonstrate movements of thumb and muscles involved** **Identify & describe course and branches of important blood vessels and nerves in hand**	**SGD/** **BI-5.5** **Interpret laboratory results of analytes associated with metabolism of proteins.**
Saturday **09/11 /19**	**ANATOMY** **AN- 12.11,12.14 & 12.15** **Identify, describe and demonstrate important muscle groups of dorsal**	**BIO SDL**	**PHYSIOLOGY** **PY-3.13/SGD** **Describe muscular dystrophy: myopathies**	**DISSECTION /SDL**	**Sports/extracurricular/self development**

	forearm with attachments, nerve supply and actions Identify & describe compartments deep to extensor retinaculum				

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Date / Day	8.00-9.00 AM	9.00-10.00 AM	10.00-11.00 AM	11.00 AM -12noon	12.00 Noon -1.00 PM	2.00-4.00 PM
Monday 11/11 /19	ANATOMY AN- 72.1 Identify the skin and its appendages under the microscope and correlate the structure with function	SPM CM-1.8 Demographic profile of India and its impact on health CM-9.6 National population policy		BIOCHEMISTRY BI-6.2 Describe and discuss the metabolic processes in which nucleotides are involved.	PHYSIOLOGY PY-8.6 Describe & differentiate the mechanism of action of steroid, protein and amine hormones	AN- 72.1 Identify the skin and its appendages under the microscope and correlate the structure with function PY-2.11 BLOOD GROUPS BT & CT REVISION REVISION FOR BIO
Tuesday 12/ 11/19	Holiday					
Wednesday 13/11 /19	ANATOMY AN- 12.12 & 12.13 Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of forearm Describe the anatomical basis of Wrist drop	BIOCHEMISTRY BI-6.3 Describe the common disorders associated with nucleotide metabolism.	ANATOMY AN- 78.1 to 78.5 Describe cleavage and formation of blastocyst Describe the development of trophoblast Describe the process of implantation & common abnormal sites of implantation Describe the formation of extra-embryonic mesoderm and coelom, bilaminar disc and prochordal plate Describe in brief abortion; decidual reaction, pregnancy test	DISSECTION AN- 10.12 Describe and demonstrate shoulder joint for– type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, muscles involved, blood supply, nerve supply and applied anatomy		AN- 72.1 Identify the skin and its appendages under the microscope and correlate the structure with function PY-2.11 BLOOD GROUPS BT & CT REVISION REVISION FOR BIO
Thursday 14/ 11/19	PHYSIOLOGY PY-10.1 Describe and discuss the organization of nervous system A/I WITH ANATOMY	BIOCHEMISTRY BI-11.17 Explain the basis and rationale of biochemical tests done in the following conditions: - Dyslipidemia - A/I WITH MEDICINE		DISSECTION AN- 10.12 Describe and demonstrate shoulder joint for– type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, muscles involved, blood supply, nerve supply and applied anatomy		SGD AFTER SDL-2HOUR PY-2.12&2.13 Describe test for ESR, Osmotic fragility, Hematocrit. Note the findings and interpret the test results etcDescribe steps for reticulocyte and platelet count
Friday 15/11 /19	PHYSIOLOGY PY-10.2 Describe and discuss the functions and properties of synapse, reflex, receptors	BIOCHEMISTRY BI-6.4 Discuss the laboratory results of analytes associated with gout &LeschNyhan syndrome.	ANATOMY AN- 12.14 & 12.15 Identify & describe compartments deep to extensor retinaculum Identify and describe extersor expansion retinaculum	DISSECTION AN- 13.3 Identify & describe the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, blood and nerve supply of elbow joint, proximal and distal radio-ulnar joints, wrist joint & first carpometacarpal joint		PHYSIOLOGY AETCOM – MODULE 1.4 The foundations of communication – 1 DISCUSSION AND CLOSURE

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Saturday **16/ 11/19**	**ANATOMY** **AN-13.1** **FASCIA, COMPARTMENTS, VEINS , LYMPHATIC DRAINAGE OF UPPER LIMB** **&** **AN-13.8** **DEVELOPMENT OF UPPER LIMB**	**BIO SDL**	**PHYSIOLOGY** **PY-8.6** **Describe & differentiate the mechanism of action of steroid, protein and amine hormones**	**DISSECTION /SDL**		**Sports/extracurricular/self development**
Monday **18/11/19**	**ANATOMY** **AN- 73.1 to73.3** **Describe the structure of chromosomes with classification .Describe technique of karyotyping with its applications** **Describe the Lyon's hypothesis**	**SGD** **PHYSIOLOGY** **PY-8.6** **Describe & differentiate the mechanism of action of steroid, protein and amine hormones**		**BIOCHEMISTRY** **BI-6.5** **Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency**	**PHYSIOLOGY** **PY-8.2** **Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus**	**AN- 73.1 to73.3** **Describe the structure of chromosomes with classification .Describe technique of karyotyping with its applications Describe the Lyon's hypothesis** **PY-2.11** **DLC** **BI-11.13** **Demonstrate the estimation of SGOT/ SGPT**
Tuesday **19/ 11/19**	**BIOCHEMISTRY** **BI-6.5** **Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency**	**ANATOMY** **AN- 14.2 , 20.3 & 20.5** **Identify & describe joints formed by the given bone** **INTRODUCTION TO LOWER LIMB**	**PHYSIOLOGY** **PY-10.3** **Describe and discuss somatic sensations & sensory tracts**	**DISSECTION** **AN-12.9** **Identify & describe fibrous flexor sheaths, ulnar bursa, radial bursa and digital synovial sheaths**		**AN- 73.1 to73.3** **Describe the structure of chromosomes with classification .Describe technique of karyotyping with its applications Describe the Lyon's hypothesis** **PY-2.11** **DLC** **BI-11.13** **Demonstrate the estimation of SGOT/ SGPT**
Wednesday **20/11 /19**	**ANATOMY** **AN- 15.1& 15.2** **Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh** **Describe and demonstrate major muscles with their attachment, nerve supply and actions**	**BIOCHEMISTRY** **BI-6.5** **Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency**	**ANATOMY** **AN- 79.1 ,79.3 & 79.5** **Describe the formation & fate of the primitive streak** **Describe the process of neurulation** **Explain embryological basis of congenital malformations, nucleus pulposus, sacrococcygealteratomas, neural tube defects**	**DISSECTION** **AN-12.9** **Identify & describe fibrous flexor sheaths, ulnar bursa, radial bursa and digital synovial sheaths**		**AN- 73.1 to73.3** **Describe the structure of chromosomes with classification .Describe technique of karyotyping with its applications Describe the Lyon's hypothesis** **PY-2.11** **DLC** **BI-11.13** **Demonstrate the estimation of SGOT/ SGPT**

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Thursday 21/11/19	**PHYSIOLOGY** **PY-10.3** **Describe and discuss somatic sensations & sensory tracts**	**PHYSIOLOGY** **ECE** **BLOOD BANK VISIT**		**DISSECTION** **AN- 12.11,12.14 & 12.15** **Identify, describe and demonstrate important muscle groups of dorsal forearm with attachments, nerve supply and actions** **Identify & describe compartments deep to extensor retinaculum** **AN- 12.12 & 12.13** **Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of forearm** **Describe the anatomical basis of Wrist drop**		**PHYSIOLOGY** **PY-10.2/SGD** **Describe and discuss the functions and properties of synapse, reflex, receptors**
Friday 22/11/19	**PHYSIOLOGY** **PY-10.3** **Describe and discuss somatic sensations & sensory tracts**	**BIOCHEMISTRY** **BI-6.5** **Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency**	**ANATOMY** **AN- 15.3 & 15.4** **Describe and demonstrate boundaries, floor, roof and contents of femoral triangle** **Explain anatomical basis of Psoas abscess & Femoral hernia**	**DISSECTION** **AN- 12.11,12.14 & 12.15** **Identify, describe and demonstrate important muscle groups of dorsal forearm with attachments, nerve supply and actions** **Identify & describe compartments deep to extensor retinaculum** **AN- 12.12 & 12.13** **Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of forearm** **Describe the anatomical basis of Wrist drop**		**SGD** **PHYSIOLOGY** **PY-8.2** **Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus**
Saturday 23/ 11/19	**ANATOMY** **AN- 15.3 & 15.4** **Describe and demonstrate boundaries, floor, roof and contents of femoral triangle** **Explain anatomical basis of Psoas abscess & Femoral hernia**	**PHYSIOLOGY** **PY-8.2** **Describe the synthesis, secretion, transport, physiological actions,** **regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland,** **pancreas and hypothalamus**		**DISSECTION /SDL**		**Sports/extracurricular/self development**
Monday 25/11 /19	**ANATOMY** **AN- 74.1to74.4** **Describe the various modes of inheritance with examples** **Draw pedigree charts for the various types of inheritance & give examples of diseases of each mode of inheritance** **Describe multifactorial inheritance with examples** **Describe the genetic basis &**	**PHYSIOLOGY** **PY-10.2/SGD** **Describe and discuss the functions and properties of synapse, reflex, receptors**		**BIOCHEMISTRY** **BI-6.5** **Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency**	**PHYSIOLOGY** **PY-8.1** **Describe the physiology of bone and calcium metabolism**	**AN- 74.1to74.4** **Describe the various modes of inheritance with examples** **Draw pedigree charts for the various types of inheritance & give examples of diseases of each mode of inheritance** **Describe multifactorial inheritance with examples** **Describe the genetic basis & clinical features of**

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	clinical features of Achondroplasia, Cystic Fibrosis, Vitamin D resistant rickets, Haemophilia, Duchene's muscular dystrophy & Sickle cell anaemia					**Achondroplasia, Cystic Fibrosis, Vitamin D resistant rickets, Haemophilia, Duchene's muscular dystrophy & Sickle cell anaemia** **PY-2.12** **ESR** **BI-11.14** **Demonstrate the estimation of alkaline phosphatase**
Tuesday **26/11 /19**	**BIOCHEMISTRY** **BI-6.5** **Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency**	**ANATOMY** **AN-15.5** **Describe and demonstrate adductor canal with its content**	**PHYSIOLOGY** **PY-8.1** **Describe the physiology of bone and calcium metabolism**	**DISSECTION** **AN 20.3**		**AN- 74.1to74.4** **Describe the various modes of inheritance with examples** **Draw pedigree charts for the various types of inheritance & give examples of diseases of each mode of inheritance** **Describe multifactorial inheritance with examples** **Describe the genetic basis & clinical features of Achondroplasia, Cystic Fibrosis, Vitamin D resistant rickets, Haemophilia, Duchene's muscular dystrophy & Sickle cell anaemia** **PY-2.12 : ESR** **BI-11.14** **Demonstrate the estimation of alkaline phosphatase**
Wednesday **27/11/19**	**ANATOMY** **AN- 16.1** **Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of gluteal region**	**BIOCHEMISTRY** **BI-6.9** **Describe the functions of various minerals in the body, their metabolism and homeostasis**	**ANATOMY** **AN- 79.2/4/6** **Describe formation & fate of notochord** **Describe the development of somites and intra-embryonic coelom** **Describe the diagnosis of pregnancy in first trimester and role of teratogens, alpha-fetoprotein**	**DISSECTION** **AN 20.3**		**AN- 74.1to74.4** **Describe the various modes of inheritance with examples** **Draw pedigree charts for the various types of inheritance & give examples of diseases of each mode of inheritance** **Describe multifactorial inheritance with examples** **Describe the genetic basis & clinical features of Achondroplasia, Cystic Fibrosis, Vitamin D resistant rickets, Haemophilia, Duchene's muscular dystrophy & Sickle cell anaemia** **PY-2.12 : ESR** **BI-11.14** **Demonstrate the estimation of alkaline phosphatase**

KAMINENI ACADEMY OF MEDICAL SCIENCES & RESEARCH CENTRE, L.B.NAGAR, HYDERABAD: TELANGANA.

COMPETENCY BASED UNDERGRADUATE CURRICULUM FOR THE INDIAN MEDICAL GRADUATE

Time table for 1st MBBS (2019-2020 BATCH)

Thursday 28/11/19	**PHYSIOLOGY** **PY-10.3** **Describe and discuss somatic sensations & sensory tracts**	**ANATOMY** **ECE** **VISIT TO RADIOLOGY DEPARTMENT**		**DISSECTION** **AN- 15.1, 15.2,15.3 & 15.4** **Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh** **Describe and demonstrate major muscles with their attachment, nerve supply and actions** **Describe and demonstrate boundaries, floor, roof and contents of femoral triangle** **Explain anatomical basis of Psoas abscess & Femoral hernia**	**PHYSIOLOGY** **PY-8.1** **Describe the physiology of bone and calcium metabolism**
Friday 29/11/19	**PHYSIOLOGY** **PY-10.3** **Describe and discuss somatic sensations & sensory tracts**	**BIOCHEMISTRY** **BI-6.9** **Describe the functions of various minerals in the body, their metabolism and homeostasis**	**ANATOMY** **AN- 16.2,16.3 &16.5** **Describe anatomical basis of sciatic nerve injury during gluteal intramuscular injections** **Explain the anatomical basis of Trendelenburg sign**	**DISSECTION** **AN- 15.1, 15.2,15.3 & 15.4** **Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh** **Describe and demonstrate major muscles with their attachment, nerve supply and actions** **Describe and demonstrate boundaries, floor, roof and contents of femoral triangle** **Explain anatomical basis of Psoas abscess & Femoral hernia**	**SGD/** **BI-6.5** **Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency**
Saturday 30/11/19	**ANATOMY** **AN- 16.4sss** **Describe and demonstrate the hamstrings group of muscles with their attachment, nerve supply and actions**	**BIO SDL**	**PHYSIOLOGY** **PY-8.2** **Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland,pancreas and hypothalamus**	**DISSECTION /SDL**	**Sports/extracurricular/self development**