SARASWATHI INSTITUTE OF MEDICAL SCIENCES, HAPUR
TIME TABLE BATCH 2021 -22

RED: ANATOMY, BLACK: PHYSIOLOGY, BLUE: BIOCHEMISTRY, BROWN: COMMUNITY MEDICINE, GREEN: AETCOM,
VIOLET: Extracurricular activities/Sports VI in Pink - Vertical Integration HI in Orange - Horizontal Integration
Formative assessment & feedback ECE Foundation course

Day	competency no.	9 AM -10 AM	mode	competency no.	10 AM - 12 Noon	mode	competency no.	12 Noon - 1 PM	mode	1 PM-2 PM	competency no.	2 PM -4 PM	mode	competency no.	4 PM-5 PM	mode	competency no.	5 PM - 6 PM	mode
Day-1		Dean Address MBBS Program		FC 1.4	Rules & regulations of the institute				Lecture		FC 1.5 orientation to institution, campus, administrative structure and departments								
Day-2	AN1.1	Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our blood	Lecture	Module 1.5	AETCOM: Cadavers as our first teacher: introduction to biologic tissues and cadavers	Small Group Discussion	PY1.2	Describe and discuss the principles of homeostasis	Lecture		FC4.12	Understand the concept of group learning & group dynamics	Small Group Discussion	FC 4.14	Understanding different methods of SDL (Small group discussion)				
Day-3	PY1.1PY 1.3, PY 1.4	Describe the structure and functions of a mammalian cell Describe intercellular communication & Describe apoptosis – programmed cell death	Small group discussion	BI11.2/BI 1.1	Describe the preparation of buffers and estimation of pH./Describe commonly used laboratory apparatus and equipments, good safe laboratory practice and waste disposal.	DOAP Session/ TUTORIAL	AN1.2, 2.3	Describe composition of bone and bone marrow, Enumerate special features of a sesamoid bone	Lecture		AN1.2, 2.3	Describe composition of bone and bone marrow, Enumerate special features of a sesamoid bone	Small Group Teaching	BI1.1	Describe the molecular and functional organization of a cell and its subcellular components. **HI Physiology**	SDL		Extracurricular	

Day-4	BI1.1	Structure and transport across cell membrane	Lecture	AN2.4	Describe various types of cartilage with its structure & distribution in body **VI Ortho**	Small Group Teaching	PY 1.5	Describe and discuss transport mechanisms across cell membranes	Lecture
Day-5	PY 1.5	Describe and discuss transport mechanisms across cell membranes - **VI Pathology**	Lecture	FC 1.1	Role of doctor in society	Panel Discussion	AN2.4	Describe various types of cartilage with its structure & distribution in body	Lecture
Day-6	AN2.5	Describe various joints with subtypes and examples	Lecture	AN 2.4, 2.5	Describe various types of cartilage with its structure & distribution in body, Describe various joints with subtypes and examples	Practical	Module 1.1	AETCOM : What does it mean to be a doctor? - Exploratory session	Small Group discussion

PY5.12	study of microscope/recorded the arterial pulse at rest	DO	C.M. 1.1	Define & Describe the concept of Public Health	Lecture		Sports	
AN2.5	Describe various joints with subtypes and examples **VI Ortho**	Small Group Teaching	FC 1.2 Roles of IMG (small group discussion)					
BI11.1	Basic laboratory principles- good safe laboratory practice and waste disposal.	Demonstration	FC 1.7 MBBS curriculum (interactive lecture)					

Day-7	BI2.1	Explain fundamental concepts of enzyme, isoenzyme, alloenzyme, coenzyme & co-factors. Enumerate the main classes of IUBMB nomenclature.	Small group discussion	FC 1.6	Career Pathways	Panel discussion	AN2.5,2.6	Describe various joints with subtypes and examples, Explain the concept of nerve supply of joints & Hilton's law	Lecture
Day-8	AN2.5,2.6	Describe various joints with subtypes and examples, Explain the concept of nerve supply of joints & Hilton's law	Lecture	Module 1.5	AETCOM : Cadavers as our first teacher: introduction to biologic tissues and cadavers	Small Group Discussion	PY 1.5	Describe and discuss transport mechanisms across cell membranes	Lecture
Day-9	PY 1.6	Describe the fluid compartments of the body, its ionic composition & measurements **HI Biochemistry**	Lecture	BI11.2/BI 1.1	Describe the preparation of buffers and estimation of pH./Describe commonly used laboratory apparatus and equipments, good safe laboratory practice and waste disposal.	DOAP Session/ TUTORIAL	AN3.1	Classify muscle tissue according to structure & action **HI Physiology**	Lecture

AN2.6	Explain the concept of nerve supply of joints & Hilton's law	Small Group Discussion	AN2.1, 2.2	Describe parts, blood and nerve supply of a long bone, Enumerate laws of ossification	SDL	FC 5.4	Computer skills - Basics	DOAP
PY5.12	collection of blood sample /record the arterial pulse at rest	DO/AP	PY 1.5	Describe and discuss transport mechanisms across cell membranes	Lecture	FC 5.2, 5.3	English/ Local Language (Hindi)	small group teaching
AN3.1	Classify muscle tissue according to structure & action	Small Group Teaching		Documents oertaining to MBBS	lecture		Extracurricular	

Day-10	BI2.3	Describe and explain the basic principles of enzyme activity.	Lecture	AN3.1, 2.1,2.2	Classify muscle tissue according to structure & actionDescribe parts, blood and nerve supply of a long bone, Enumerate laws of ossification,	Small Group Discussion, Tutorials	PY 1.7	Describe the concept of pH & Buffer systems in the body **HI Biochemistry**	Lecture
Day-11	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.	Lecture	Module 1.1	AETCOM: Facilitated panel discussion by Doctors of various specialities	Panel Discussion	AN3.2, 3.3	Enumerate parts of skeletal muscle and differentiate between tendons and aponeuroses with examples, Explain Shunt and spurt muscles	Lecture

PY5.12	collection of blood sample/record the arterial pulse at rest	DO/AP	C.M. 1.2	Define health; describe the concept of holistic health including concept of spiritual health and the relativeness & determinants of health	Lecture		Sports	
AN3.2, 3.3	Enumerate parts of skeletal muscle and differentiate between tendons and aponeuroses with examples, Explain Shunt and spurt muscles	Small Group Teaching	FC 1.10	History of medicine				lecture

Day-12	AN4.1, 4.2	Describe different types of skin & dermatomes in body, Describe structure & function of skin with its appendages	Lecture	AN4.1, 4.2	Describe different types of skin & dermatomes in body, Describe structure & function of skin with its appendages	Small Group Teaching	Module 1.1	AETCOM: students write a report from reflections based on sessions 1 & 2 and on other reading materials, TV series, movies etc. that they have chosen from the lay press about doctors'	SDL	BI11.2/BI 1.1	Describe the preparation of buffers and estimation of pH./Describe commonly used laboratory apparatus and equipments, good safe laboratory practice and waste disposal.	DOAP Session/ TUTORIAL	FC 1.10	Alternate health systems				group discussion		
Day-13	BI2.4	Describe and discuss enzyme inhibitors as poisons and drugs and as therapeutic enzymes **VI Pathology, Medicine**	Lecture		History of pandemics	lecture	AN4.3,4.4,4.5	Describe superficial fascia along with fat distribution in body, Describe modifications of deep fascia with its functions, Explain principles of skin incisions	Lecture	AN4.3, 4.4, 4.5	Describe superficial fascia along with fat distribution in body, Describe modifications of deep fascia with its functions, Explain principles of skin incisions	DOAP Session	AN2.5	Describe various joints with subtypes and examples	SDL	FC 5.2, 5.3	English/ Local Language (Hindi)	small group teaching		

Day-14	AN4.2, 4.4, 4.5	Explain principles of skin incisions Visit to hospital Surgery			ECE (Anatomy)	PY 2.2	Discuss the origin, forms, variations and functions of plasma protein **HI Biochemistry**	Lecture
Day-15	PY2.3	Describe and discuss the synthesis of Haemoglobin and explain its breakdown. Describe variants of haemoglobin **HI Biochemistry**	Lecture	BI2.5 & BI2.6	Reactions of Carbohydrates (Monosaccharides)/Describe and discuss the clinical utility of various serum enzymes as markers of pathological conditions. & Discuss use of enzymes in	Practical /GD	AN7.2, 7.3	List components of nervous tissue and their functions, Describe parts of a neuron and classify them based on number of neurites, size & function	Lecture

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PY2.11/PY5.12	Estimate Hb/record the arterial BP at rest	DO/DO	PY 2.1	Describe the composition and functions of blood components	SDL	FC 5.4	Computer skills - Basics	DOAP
AN7.1	Describe general plan of nervous system with components of central, peripheral & autonomic nervous systems	Small Group Teaching		Classes of IUBMB nomenclature for enzymes, enzyme activity,enzyme inhibitions	SDL		Extracurricular	

Day-16	BI2.5 & BI2.6	Describe and discuss the clinical utility of various serum enzymes as markers of pathological conditions. & Discuss use of enzymes in laboratory investigations (Enzyme-based assays)	Lecture	AN7.2, 7.3	List components of nervous tissue and their functions, Describe parts of a neuron and classify them based on number of neurites, size & function	Lecture	PY2.4	Describe RBC formation (erythropoiesis & its regulation)	Lecture
Day-17	PY2.4	Describe RBC formation (erythropoiesis & its regulation)	L	PY2.11/PY5.12	Estimate Hb/record the arterial BP at rest	DO/DO	AN7.4, 7.5, 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	Lecture

PY2.11/PY5.12	Estimate Hb/record the arterial BP at rest	DO/DO	C.M. 1.2	Discuss the determinants of health	Small group discussion		Sports	
AN7.1,7.2, 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	Small Group Discussion	FC 1.3 Expectation of the students from nation, society, institution, peers, patients (group discussion)					

Day-18	AN7.7, 7.8	Describe various type of synapse, Describe differences between sympathetic and spinal ganglia	Lecture	AN7.4, 7.5, 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	Small Group Teaching	Module 1.1	AETCOM: students write a report from reflections based on sessions 1 & 2 and on other reading materials, TV series, movies etc. that they have chosen from the lay press about doctors'	SDL	BI2.5 & BI2.6	Reactions of Carbohydrates (Monosaccharides)/Describe and discuss the clinical utility of various serum enzymes as markers of pathological conditions. & Discuss use of enzymes in	Practical /GD	FC 1.3 Expectation of the students from nation, society, institution, peers, patients and vice versa (group discussion)					
Day-19	BI6.11, BI6.12	Describe the functions of haem in the body and transport of O2 & CO2 by Hb. Describe the major types of haemoglobin and its derivatives found in the body.	Lecture	C.M. 1.4, C.M. 1.5	Describe and discuss the natural history of disease/ Describe the application of interventions at various levels of prevention		Lecture	Identify epithelium under the microscope & describe the various types that correlate to its function, Describe the ultrastructure of epithelium	Lecture	AN7.7, 7.8	Describe various type of synapse, Describe differences between sympathetic and spinal ganglia	Small Group Discussion	AN65.1,6 5.2	Identify epithelium under the microscope & describe the various types that correlate to its function, Describe the ultrastructure of epithelium	SDL	FC 5.2, 5.3	English/ Local Language (Hindi)	small group teaching

Day-20	AN9.1, 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	Lecutre	AN8.1, 8.2, 8.3	Identify the given bone, its side, important features & keep it in anatomical position, Identify & describe joints formed by the given bone, Enumerate peculiarities of clavicle	DOAP Session	PY 2.5	Describe different types of anaemias **VI Pathology**	Small Group discussion
Day-21	PY 2.5	Describe the different types of Jaundice **VI Pathology** **HI Biochemistry**	Small group discussion	BI2.7	Reactions of Carbohydrates (Di, Polysaccharides)/ Interpret laboratory results of enzyme activities & describe the clinical utility of various enzymes as markers of pathological conditio	Practical	AN10.4,10.7	Describe the anatomical groups of axillary lymph nodes and specify their areas of drainage, Explain anatomical basis of enlarged axillary lymph nodes	Lecture

PY2.11/PY5.12	Estimate Hb/record the arterial BP at rest	AP/AP	PY2.3, 2.4	Describe the functions of RBC & Hb	Small group discussion	FC 5.4	Computer skills - Basics	DOAP
AN9.1, 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	Practical, Small Group Discussion	FC 1.8 understand the role of physician in various health care delivery system (group discussion)					

Day-22	BI6.11	Describe the processes involved in heam metabolism and describe porphyrin metabolism.	Lecture	AN8.1, 8.2, 8.4	Identify the given bone, its side, important features & keep it in anatomical, Identify & describe joints formed by the given bone, Demonstrate important muscle attachment on the given bone	DOAP Session	PY 2.6	Describe WBC formation (granulopoiesis) and its regulation	Lecture
Day-23	PY2.7	Describe the formation of platelets, functions and variations.	Lecture	Module 1.1	AETCOM : Introductory visit to the hospital		AN10.1,10.2	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	Lecutre

PY2.11/PY5.12	Estimate Hb/record the arterial BP at rest	AP/AP	C.M. 1.3	Describe the characteristics of agent, host and environmental factors in health and disease and the multi factorial etiology of disease	Lecture		Extracurricular	
AN10.4,10.7	Describe the anatomical groups of axillary lymph nodes and specify their areas of drainage, Explain anatomical basis of enlarged axillary lymph nodes	Practical, Small Group Discussion	FC 1.9 principles of family practices (interactive lecture)					

Day-24	AN10.3,10.5,10.6	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	Lecture	AN10.1,10.2	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	Practical, Small Group Discussion	Module 1.1	AETCOM: Students' Reflection	Group discussion		BI2.7	Interpret laboratory results of enzyme activities & describe the clinical utility of various enzymes as markers of pathological conditions Visit to hospital Central Lab				ECE (Biochemistry)		Sports	
	competency no.	**9 AM -10 AM**	**mode**	**competency no.**	**10 AM - 12 Noon**	**mode**	**competency no.**	**12 Noon - 1 PM**	**mode**	**1 PM-2 PM**	**competency no.**	**2 PM -4 PM**	**mode**	**competency no.**	**4 PM-5 PM**	**mode**	**competency no.**	**5 PM-6 PM**	**mode**
Day-25	FC 2.1, 2.2 BLS training/ First aid (Batch wise) (video based and hands on mannequin)										BLS training/ First aid						FC 5.2, 5.3	English/ Local Language (Hindi)	small group teaching

Day-26	AN10.10,10.12	Describe and identify the deltoid and rotator cuff muscles, Describe and demonstrate shoulder joint for– type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, muscles involved, blood supply, nerve supply and applied anatomy **VI Ortho**	Lecture	AN10.8, 10.9,10.11	Describe, identify and demonstrate the position, attachment, nerve supply and actions of trapezius and latissimus dorsi, Describe the arterial anastomosis around the scapula and	Practical, Small Group Discussion	PY2.9	Describe different blood groups and discuss the clinical importance of blood grouping **VI Pathology**	Lecture		PY2.11/PY5.12	DLC/record the arterial BP at rest	AP/AP	PY2.7	functions & variation of platelets	Small Group Discussion	FC 5.4	Computer skills - Basics	DOAP
Day-27	FC 2.1, 2.2 BLS training/ First aid (Batch wise) (video based and hands on mannequin)										BLS training/ First aid							Extra Curricular activities	
Day-28	BI6.12	Describe the major types of haemoglobin and its derivatives found in the body and their physiological/ pathological relevance. **VI Pathology, Medicine HI Physiology**	Small Group learning	AN8.1, 8.2, 8.4	Identify the given bone, its side, important features & keep it in anatomical, Identify & describe joints formed by the given bone, Demonstrate important muscle attachment on the given bone	DOAP Session	PY2.8	Describe the physiological basis of hemostasis and anticoagulants.	lecture		PY2.11/PY5.12	DLC/record the arterial BP at rest	DO/AP	C.M. 1.3	Discuss the multifactorial etiology of disease	Small Group Discussion		Sports	

Day-29	PY2.9	Blood banking and transfusion (visit to blood bank) **VI Pathology**				ECE (Physiology)	AN10.13	Explain anatomical basis of Injury to axillary nerve during intramuscular injections	lecture	AN10.10, 10.12	Describe and identify the deltoid and rotator cuff muscles, Describe and demonstrate shoulder joint for– type, articular surfaces, capsule, synovial membrane, ligaments, relations,	Practical, Small Group Discussion		FC 2.1, 2.2 BLS/ First Aid Assessment + Feedback (OSCE)
Day-30	AN11.1	Describe and demonstrate muscle groups of upper arm with emphasis on biceps and triceps brachii	Lecture	AN8.1, 8.2, 8.4	Identify the given bone, its side, important features & keep it in anatomical, Identify & describe joints formed by the given bone, Demonstrate important muscle attachment on the given bone	DOAP Session	Module 1.2	AETCOM: What does it mean to be a patient? - Exploratory session	Group discussion	BI6.11	Identification of Unknown Carbohydrates/ Discuss the heam synthesis and porphyrias **VI patho medicine** **HI Physiology**	Practical /tutorial		FC 2.1, 2.2 BLS/ First Aid Assessment + Feedback (OSCE)

Day-31	BI5.2	Describe and discuss functions of proteins and structure-function relationships in relevant areas eg, hemoglobin and selected hemoglobinopathies **VI Patho Medicine HI Physiology**	Lecture	FC 2.3	Biosafety and universal precautions	Interactive lecture	AN11.2,11.4	Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels in arm	Lecture	AN11.1	Describe and demonstrate muscle groups of upper arm with emphasis on biceps and triceps brachii	Practical, Small Group Discussion	AN10.4,10.7	Describe the anatomical groups of axillary lymph nodes and specify their areas of drainage, Explain anatomical basis of enlarged axillary lymph nodes **VI Surgery**	SDL	FC 5.2, 5.3	English/ Local Language (Hindi)	small group teaching
Day-32	BI10.5	Describe antigens and concepts involved in vaccine development.	Lecture	AN8.1, 8.2, 8.4	Identify the given bone, its side, important features & keep it in anatomical, Identify & describe joints formed by the given bone, Demonstrate important muscle attachment on the given bone	DOAP Session	PY2.8	Describe the physiological basis of anticoagulants. **VI Pathology**	lecture	PY2.11/PY5.12	DLC/record the effect of exercise on arterial BP & pulse	AP/DO	C.M. 1.4	Discuss the natural history of disease	Small Group Discussion	FC5.4	Computer skills - Basics	

Day-33	PY2.8	Describe bleeding & clotting disorders (Hemophilia, purpura) **VI Pathology**	Small Group discussion	BI6.11	Identification of Unknown Carbohydrates/ Discuss the heam synthesis and porphyrias **VI Patho Medicine HI Physiology**	Practical /tutorial	AN11.3,11.5,11.6	Describe the anatomical basis of Venepuncture of cubital veins ,Identify & describe boundaries and contents of cubital fossa ,Describe the anastomosis around the elbow joint	Lecture	AN11.2,11.4	Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels in arm	Practical, Small Group Discussion		cellular and humoral components of the immune system	SDL		Extra Curricular activities	
Day-34	PY2.10	Define and classify different types of immunity.	Lecture	Module 1.2	AETCOM :Hospital Visit	Interaction with Patients	AN12.1,12.2	Describe and demonstrate important muscle groups of ventral forearm with attachments, nerve supply and actions	Lecture	AN10.4, 10.6, 10.7, 11.3	Describe the anatomical groups of axillary lymph nodes and specify their, Explain the anatomical basis of clinical features of Erb's palsy and Klumpke's paralysis, Explain anatomical basis	Lecture	FC 2.4 handling and safe disposal of biohazards (Video based)					

Day-35	AN12.3,12.4	Identify & describe flexor retinaculum with its attachments,Explain anatomical basis of carpal tunnel syndrome	Lecture	AN12.1,12.2	Describe and demonstrate important muscle groups of ventral forearm with attachments, nerve supply and actions, Identify & describe origin, course, relations, branches (or	Practical, Small Group Discussion	Module 1.2	AETCOM : What does it mean to be a patient? - Exploratory session	Group discussion
Day-36	BI10.3	Describe the cellular and humoral components of the immune system & describe the types and structure of antibody.	Lecture	FC 3.1 , 3.2	National Health policies and national health scenarios	Lecture	AN12.5,12.6	Identify & describe small muscles of hand. Also describe movements of thumb and muscles involved	Lecture

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BI6.11	Identification of Unknown Carbohydrates/ Discuss the processes involved in heam degredation and Jaundice.	Practical /tutorial	FC 2.5 Proper hand washing and use of PPE (hands on training)						
AN12.3,12.4	Identify & describe flexor retinaculum with its attachments,Explain anatomical basis of carpal tunnel syndrome	Practical, Small Group Discussion	AN10.10, 10.12	Describe and identify the deltoid and rotator cuff muscles, Describe and demonstrate shoulder joint for–type, articular surfaces, capsule, synovial membrane, ligaments, relations,	SDL	FC 5.2, 5.3	English/ Local Language (Hindi)	small group teaching

Day-37	AN12.7,12.8	Identify & describe course and branches of important blood vessels and nerves in hand,Describe anatomical basis of Claw hand	Lecture	AN8.5, 12.5,12.6	Identify and name various bones in articulated hand,Describe scaphoid fracture and explain the anatomical basis of avascular necrosis, Specify the parts ofmetacarpals and phalange	Practical, Small Group Teaching	PY2.10	Describe the development of immunity and its regulation	Lecture
Day-38	PY2.10	Describe the development of immunity and its regulation	Lecture	BI6.11	Identification of Unknown Carbohydrates/ Discuss the processes involved in heam degredation and Jaundice.	Practical /tutorial	AN12.9,12.10	Identify & describe fibrous flexor sheaths, ulnar bursa, radial bursa and digital synovial sheaths, Explain infection of fascial spaces of palm	Lecture

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PY2.11/PY5.12	DLC/record the effect of exercise on arterial BP & pulse	AP/AP	PY 3.1	Describe the structure and functions of a neuron **HI Anatomy**	SDL	FC 5.4	Computer skills - Basics	DOAP
AN12.7,12.8	Identify & describe course and branches of important blood vessels and nerves in hand,Describe anatomical basis of Claw hand	Practical, Small Group Discussion, DOAP Session	FC 2.8	Immunization	Lecture		Extra Curricular activities	

Day-39	BI10.3	Describe the cellular and humoral components of the immune system & describe the types and structure of antibody.	Lecture	AN 8.4, 8.6, 10.12, 11.4	Demonstrate important muscle attachment on the given bone, Describe scaphoid fracture and explain the anatomical basis of avascular necrosis, Describe and demonstrate shoulder joint for–type	Lecture	PY 3.1	Discuss neuroglia; Nerve Growth Factor & other growth factors/cytokines **HI Anatomy**	Lecture
Day-40	PY 1.8	Describe and discuss the molecular basis of resting membrane potential	Lecture	PY2.11/PY5.12	DLC/record the effect of posturee on arterial BP & pulse	AP/DO	AN12.11, 12.12,12.13	Identify, describe and demonstrate important muscle groups of dorsal forearm with attachments, nerve supply and actions, Identify & describe origin, course, relations, branches (or tributari	Lecture

PY2.11/PY5.12	DLC/record the effect of exercise on arterial BP & pulse	AP/AP	C.M. 1.5	Demonstrate the intervention at various levels of prevention	DOAP		sports	
AN12.11, 12.12,12.13	Identify, describe and demonstrate important muscle groups of dorsal forearm with attachments, nerve supply and actions, Identify & describe origin, course, relations, branches (or tributari	Practical, Small Group Discussion	FC 2.6 Needle stick injuries (Video based discussion)					

Day-41	AN12.14,12.15	Identify & describe compartments deep to extensor retinaculum, Identify & describe extensor expansion formation	Lecture	AN12.14, 12.15	Identify & describe compartments deep to extensor retinaculum, Identify & describe extensor expansion formation	Practical, Small Group Discussion, DOAP Session	Module 1.2	AETCOM: students write a report from reflections based on sessions 1 & 2 and on other readings, TV series movies etc.	SDL
Day-42	BI10.4	Describe & discuss innate and adaptive immune responses, self/non-self recognition and the central role of T-helper cells in immune responses.	Lecture	FC 2.8	Visit to Immunization centre		AN13.1,13.2	Describe and explain Fascia of upper limb and compartments, veins of upper limb and its lymphatic drainage, Describe dermatomes of upper limb	Lecture

BI5.2	Colour reactions of Proteins and Amino acids/ Describe and discuss functions of proteins and structure-function relationships in relevant areas eg, hemoglobin and selected hemoglobinopathies	practical /tutorial	FC 3.3 Health care systems and principles of community health (lecture)						
AN13.4,	Describe Sternoclavicular joint, Acromioclavicular joint, Carpometacarpal joints & Metacarpophalangeal joint	Practical	AN12.1,12.2	Describe and demonstrate important muscle groups of ventral forearm with attachments, nerve supply and actions	SDL	FC 5.2, 5.3	English/ Local Language (Hindi)	small group teaching

Day-43	AN13.3, AN 13.5	Identify the bones and joints of upper limb seen in anteroposterior and lateral view radiographs of shoulder region, arm, elbow, forearm and hand Visit to hospital Radiodiagnosis				ECE (Anatomy)	PY 1.8	Describe and discuss the molecular basis of action potential in excitable tissue	Lecture
Day-44	PY 1.8	Describe and discuss the molecular basis of action potential in excitable tissue	Lecture	BI5.2	Colour reactions of Proteins and Amino acids/ Describe and discuss functions of proteins and structure-function relationships in relevant areas eg, hemoglobin and selected hemoglobinopathies	practical /tutorial	AN13.4,13.5	Describe Sternoclavicular joint, Acromioclavicular joint, Carpometacarpal joints & Metacarpophalangeal joint	Lecture

PY2.11/PY5.12	DLC/record the effect of posturee on arterial BP & pulse	AP/DO	PY 3.2	Describe the types, functions & properties of nerve fibers	SDL	FC 5.4	Computer skills - Basics	DOAP
AN13.6, 13.7	Identify & demonstrate important bony landmarks of upper limb:Jugular notch, sternal angle, acromial angle, spine of the scapula, vertebral level of the medial end, Inferior angle of the	DOAP		cellular and humoral components of the immune system	SDL		Extra Curricular activities	

Day-45	BI10.5	Describe antigens and concepts involved in vaccine development.	Lecture	AN13.6, 13.7	Identify & demonstrate important bony landmarks of upper limb:Jugular notch, sternal angle, acromial angle, spine of the scapula, vertebral level of the medial end, Inferior angle of the	Lecture	PY3.3	Describe the degeneration and regeneration in peripheral nerves **VI Medicine (nesting)**	Lecture
Day-46	PY 3.4	Describe the structure of neuro-muscular junction and transmission of impulses **VI Anaesthesia**	Lecture	Module 1.2	AETCOM: students write a report from reflections based on sessions 1 & 2 and on other readings, TV series movies etc.	SDL followed by discussion of their reflections	AN13.8	Describe development of upper limb	Lecture

PY2.11/PY5.12	DLC/record the effect of posturee on arterial BP & pulse	AP/AP	C.M. 1.6	Describe the concepts, the principles of Health promotion and Education, IEC and Behavioral change communication (BCC)	Lecture		sports	
FC 2.9	Documentation pertaining to patient care			FC 2.7 Biomedical Waste management (Interactive lecture)				

Day-47	AN5.2, 5.5	Differentiate between pulmonary and systemic circulation, Describe portal system giving examples	Lecture	AN5.2, 5.5	Differentiate between pulmonary and systemic circulation, Describe portal system giving examples	Small Group Teaching	Module 1.2	Closure Session	Summative Assessment (SAQs		BI6.12	Describe the major types of haemoglobin and its derivatives found in the body and their physiological/ pathological relevance. Classroom				ECE (Biochemistry)	FC 4.1	Professionalism & ethics Concept	interactive lecture
Day-48	AN5.3, 5.4,5.6	List general differences between arteries & veins, Explain functional difference between elastic, muscular arteries and arterioles, Describe the concept of anastomoses and collateral circulation with significance of end-arteries	Lecture	AN5.3, 5.4,5.6, 5.7	List general differences between arteries & veins, Explain functional difference between elastic, muscular arteries and arterioles,, Explain function of meta-arterioles, precapillary sphincte	Small Group Teaching	PY3.5	Discuss the action of neuro-muscular blocking agents **VI Pharmacology (Sharing)**	Lecture		PY2.11/PY5.12	DLC/record the effect of posturee on arterial BP & pulse	AP/AP	PY3.7	Describe the different types of muscle fibres and their structure **HI Anatomy**	Small Group Discussion	FC 5.5	Computer skills - Assessing online content	DOAP

Day-49	PY3.6	Describe the pathophysiology of Myasthenia gravis **VI Anaesthesia (nesting)**	Small Group discussion	BI3.1	Precipitation reactions of Proteins/ Describe and discuss principle and uses of Chromatography	Demonstration	AN5.1, 5.7, 5.8	Differentiate between blood vascular and lymphatic system, Explain function of meta-arterioles, precapillary sphincters, arterio-venous anastomoses, Define thrombosis, infarction &	Lecture		AN5.6, 5.8	Describe the concept of anastomoses and collateral circulation with significance of end-arteries, Define thrombosis, infarction & aneurysm	Lecture		FC 2.7 Biomedical Waste management (visit to hospital)				
	competency no.	**9 AM -10 AM**	**mode**	**competency no.**	**10 AM - 12 Noon**	**mode**	**competency no.**	**12 Noon - 1 PM**	**mode**	**1 PM-2 PM**	**competency no.**	**2 PM -4 PM**	**mode**	**competency no.**	**4 PM-5 PM**	**mode**	**competency no.**	**5 PM-6 PM**	**mode**
Day-50	BI3.1	Discuss and differentiate monosaccharides, di-saccharides and polysaccharides giving examples of main carbohydrates as energy fuel, structural element and storage in the human body.	Lecture	AN6.1	List the components and functions of the lymphatic system	Small Group Teaching	PY 3.7, PY3.8	Describe structure, action potential and its properties in different muscle types (skeletal & smooth)	Lecture		PY3.14	Arneth count/ Perform Ergography	DO/DO	C.M. 1.6	Discuss the concepts, the principles of Health promotion and Education, IEC and Behavioral change communication (BCC)	Small Group Discussion		Extracurricular activities	

Day-51	AN6.2, 6.3	Describe structure of lymph capillaries & mechanism of lymph circulation , Explain the concept of lymphoedema and spread of tumors via lymphatics and venous system **VI Surgery**	Lecture	AN21.1, 21.2, 21.3	Identify and describe the salient features of sternum, typical rib, Ist rib and typical thoracic vertebra, Identify & describe the features of 2nd, 11th and 12th ribs, 1st, 11th and 12th thoracic	DOAP Session	Module 1.3	AETCOM : The doctor-patient relationship: fundamentals	Large group discussion		BI10.4	Tests for Proteins (Albumin, Globulin & Casien)/ Describe & discuss innate and adaptive immune responses, self/non-self recognition and the central role of T-helper cells in immune	Practical /GD	FC 4.1 Consequences of unprofessional behaviour : Case based learning					
Day-52	BI3.1	Discuss the GAGs and proteoglycans, glycoproteins.	Lecture		Anatomy FA & feedback		AN21.3	Describe & demonstrate the boundaries of thoracic inlet, cavity and outlet,	Lecture		AN21.4	Describe & demonstrate extent, attachments, direction of fibres, nerve supply and actions of intercostal muscles	Practical	AN 13.5	Identify the bones and joints of upper limb seen in anteroposterior and lateral view radiographs of shoulder region, arm, elbow, forearm and hand	SDL	FC 5.2, 5.3	English/ Local Language (Hindi)	small group teaching

Day-53	AN21.4	Describe & demonstrate extent, attachments, direction of fibres, nerve supply and actions of intercostal muscles	Lecture	AN21.5,21.6,21.7	Describe & demonstrate origin, course, relations and branches of a typical intercostal nerve, Mention origin, course and branches / tributaries of: 1) anterior & posterior intercostal	Practical, Small Group Discussion`	PY3.9	Describe the molecular basis of muscle contraction in skeletal and in smooth muscles	Lecture
Day-54	PY3.10, PY3.11	Describe the mode of muscle contraction (isometric and isotonic) & Explain energy source and muscle metabolism	Lecture	FC 3.3, 3.5, 3.6	Understand health care systems	Group discussion	AN21.5,21.6,21.7	Describe & demonstrate origin, course, relations and branches of a typical intercostal nerve, Mention origin, course and branches / tributaries of: 1) anterior & posterior intercostal	Lecture

PY3.14	Arneth count/Perform Ergography	AP/AP	PY5.1	Describe the functional anatomy of heart including chambers,sounds;	SDL	FC 5.5	Computer skills - Assessing online content	DOAP
AN21.8	Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints	Small Group Discussion, DOAP Session		Carbohydrate chemistry	SDL		Extracuricular activities	

Day-55	BI6.6	Describe the biochemical processes involved in generation of energy in cells. Enzymes of biological oxidation,	Lecture	AN21.9,21.10	Describe & demonstrate mechanics and types of respiration, Describe costochondral and interchondral joints	Practical, Small Group Discussion, DOAP Session	PY 3.12, PY3.17	Explain the gradation of muscular activity & Describe Strength-duration curve	Lecture
Day-56	PY3.13	Describe muscular dystrophy: myopathies **VI Medicine (nesting)** **HI Anatomy**	Small Group Discussion	Module 1.3	Illustrative Case Based discussion	Small Group discussion	AN21.8	Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints	Lecture

PY3.14	Arneth count/Perform Ergography	AP/AP	C.M. 1.6	Demonatrate in a simulated environment Behavioral change communication (BCC)	DOAP		Sports		
AN24.2,24.3,24.5	Identify side, external features and relations of structures which form root of lung & bronchial tree and their clinical correlat, Describe a broncho pulmonary segment, Mention the blood	Practical	PY3.13	Describe muscular dystrophy: myopathies	Small Group Discussion		Personal grooming	Inetractive lecture	

Day-57	AN21.9,21.10	Describe & demonstrate mechanics and types of respiration, Describe costochondral and interchondral joints **HI Physiology**	Lecture	AN24.2,24.3,24.5	Identify side, external features and relations of structures which form root of lung & bronchial tree and their clinical correlat, Describe a broncho pulmonary segment, Mention the blood	Practical	Module 1.3	AETCOM : doctor-patient relationship that includes learning from resources, lay press, media and movies	SDL
Day-58	BI3.2, BI3.3 & BI3.4	Describe the processes involved in digestion and assimilation of carbohydrates and storage. & Define and differentiate the pathways of carbohydrate metabolism - glycolysis. **VI medicne**	Lecture		Physiology FA & feedback		AN21.11	Mention boundaries and contents of the superior, anterior, middle and posterior mediastinum	Lecture

BI3.6	Tests for Proteins (Gelatin, Peptone) / discuss the glycolysis, TCA cycle and gluconeogenesis.	Practical /tutorial	FC 5.1 Attitude & communication (small group discussion)					
AN24.4,24.6	Identify phrenic nerve & describe its formation & distribution, Describe the extent, length, relations, blood supply, lymphatic drainage and nerve supply of trachea	Practical, Small Group Discussion`	AN24.1	Mention the blood supply, lymphatic drainage and nerve supply of pleura, extent of pleura and describe the pleural recesses and their applied anatomy **VI Medicine HI Physiology**	SDL	FC 5.2, 5.3	English/ Local Language (Hindi)	small group teaching

Day-59	AN21.4	Describe & demonstrate extent, attachments, direction of fibres, nerve supply and actions of intercostal muscles	Lecture	AN21.5,21.6,21.7	Describe & demonstrate origin, course, relations and branches of a typical intercostal nerve, Mention origin, course and branches / tributaries of: 1) anterior & posterior intercostal	Practical, Small Group Discussion`	PY5.1	Describe the Pacemaker tissue and conducting system. **HI Anatomy**	Lecture
Day-60	BI6.6	Describe the biochemical processes involved in generation of energy in cells. Electron transport chain.	Lecture	AN21.11	Mention boundaries and contents of the superior, anterior, middle and posterior mediastinum	Practical	PY5.2	Describe the properties of cardiac muscle including its morphology, electrical, mechanical and metabolic functions	Lecture

PY3.14	Arneth count/Perform Ergography	AP/AP	PY5.1	Describe the functional anatomy of heart including chambers,sounds;	SDL	FC 5.5	Computer skills - Assessing online content	DOAP
PY2.11/PY3.15	BT/CT/Demonstrate effect of mild, moderate and severe exercise and record changes in cardiorespiratory parameters	DOAP/DO	C.M. 1.8	Discuss the impact of Demographic profile of India on health	Small Group Discussion		Sports	

Day-61	PY 5.3	Discuss the events occurring during the cardiac cycle	Lecture	PY2.11/PY3.15	BT/CT/Demonstrate effect of mild, moderate and severe exercise and record changes in cardiorespiratory parameters	DOAP/DO	AN24.4,24.6	Identify phrenic nerve & describe its formation & distribution, Describe the extent, length, relations, blood supply, lymphatic drainage and nerve supply of trachea	Lecture
Day-62	AN25.2	Describe development of pleura, lung & heart	Lecture	AN22.2	Describe & demonstrate external and internal features of each chamber of heart **HI Physiology**	Practical, Small Group Discussion`	Module 1.3	AETCOM: doctor-patient relationship that includes learning from resources, lay press, media and movies	SDL

AN22.1	Describe & demonstrate subdivisions, sinuses in pericardium, blood supply and nerve supply of pericardium	Practical, Small Group Discussion`	PY 5.3	Discuss the events occurring during the cardiac cycle	Group Discussion	FC 3.1	Medicolegal issues: Introduction	Interactive lecture
BI3.6	Identification of Unknown Proteins/ discuss the HMP shunt, glycogen metabolism, Fructose and galactose metabolism.	Practcal/ tutorial		FC 3.1 Medicolegal issues: case scenarios				

Day-63	BI3.6	Describe and discuss the concept of TCA cycle as a amphibolic pathway and its regulation.	Lecture		Biochemistry FA & feedback		AN22.1	Describe & demonstrate subdivisions, sinuses in pericardium, blood supply and nerve supply of pericardium	Lecture	AN22.3,22.4	Describe & demonstrate origin, course and branches of coronary arteries , Describe anatomical basis of ischaemic heart disease **HI Physiology**	Practical, Small Group Discussion`	AN24.3	Describe a broncho pulmonary segment	SDL	FC 5.2, 5.3	English/ Local Language (Hindi)	small group teaching
Day-64	AN22.2	Describe & demonstrate external and internal features of each chamber of heart	Lecture	AN 21.1, 21.2	Identify and describe the salient features of sternum, typical rib, Ist rib and typical thoracic vertebra, Identify & describe the features of 2nd, 11th and 12th ribs, 1st, 11th and 12th thoracic vertebra	DOAP Session	PY5.3	Discuss the events occurring during the cardiac cycle	Lecture	PY2.11/PY3.15	Blood group /Demonstrate effect of mild, moderate and severe exercise and record changes in cardiorespiratory parameters	DOAP/AP	PY5.2	Describe the properties of cardiac muscle including its morphology, electrical, mechanical and metabolic functions	Small Group Discussion	FC 5.5	Computer skills - Assessing online content	DOAP

Day-65	BI6.6	Describe the biochemical processes involved in generation of energy in cells. Oxidative phosphorylation.	Lecture	AN23.1,2 3.2	Describe & demonstrate the external appearance, relations, blood supply, nerve supply,lymphatic drainage and applied anatomy of oesophagus, Describe & demonstrate the extent, relations	DOAP Session	PY5.4	Describe generation, conduction of cardiac impulse	Lecture
Day-66	PY5.5	Describe the physiology of electrocardiogram (E.C.G), its applications and the cardiac axis	Lecture	Module 1.3	AETCOM : Discussion on Doctor Patient relationship & closure with Assessment	Summative assessment (SAQs)	AN22.5	Describe & demonstrate the formation, course, tributaries and termination of coronary sinus	Lecture

PY2.11/PY3.15	Blood group /Demonstrate effect of mild, moderate and severe exercise and record changes in cardiorespiratory parameters	DOAP/AP	C.M. 1.9	Demonstrate the role of effective Communication skills in health in a simulated environment	DOAP		Sports	
AN23.3	Describe & demonstrate origin, course, relations, tributaries and termination of superior venacava, azygos, hemiazygos and accessory hemiazygos veins	Practical, Small Group Discussion`	PY5.6	Describe abnormal ECG, arrythmias, heart block and myocardial Infarction **VI Medicine (nesting)**	Small Group Discussion	FC 4.6 Understand and respect the cultural diversities (group discussion)		

Day-67	AN22.6,22.7	Describe the fibrous skeleton of heart, Mention the parts, position and arterial supply of the conducting system of heart	Lecture	AN 21.1, 21.2	Identify and describe the salient features of sternum, typicalrib, Ist rib and typical thoracic vertebra, Identify & describe the features of 2nd, 11th and 12th ribs, 1st, 11th and 12th thoracic	DOAP Session	PY5.6	Describe abnormal ECG, arrythmias, heart block and myocardial Infarction	Small group discussion
Day-68	BI3.4	Define and differentiate the pathways of carbohydrate metabolism-gluconeogenesis. **VI Medicine**	Lecture	C.M. 2.1, C.M. 2.2	Describe the steps in clinico socio-cultural and demographic assessment of the individual, family and community, Describe the socio-cultural factors, family (types) and its role in health and	Lecture	AN23.1,2 3.2	Describe & demonstrate the external appearance, relations, blood supply, nerve supply,lymphatic drainage and applied anatomy of oesophagus, Describe & demonstrate the extent, relations	Lecture

FC 4.7	Stress management	Small Group Discussion	FC 4.8 Role of yoga & meditation in personal health (DOAP)						
AN 23.3 AN23.4	Describe & demonstrate origin, course, relations, tributaries and termination of superior venacava, azygos, hemiazygos and accessory hemiazygos veins.Mention the extent, branches and	Practical	AN22.3,2 2.4	Describe & demonstrate origin, course and branches of coronary arteries , Describe anatomical basis of ischaemic heart disease	SDL	FC 5.2, 5.3	English/ Local Language (Hindi)	small group teaching

Day-69	AN 22, 24, 25	Heart & Pericardium, Lungs & Trachea, Thorax Visit to Radio diagnosis Xray				ECE (Anatomy)	PY5.7	Describe and discuss haemodynamics of circulatory system	Lecture
Day-70	PY5.7	Describe and discuss haemodynamics of circulatory system	Lecture	FC 3.6	visit to CHC	Field visit	AN23.4	Mention the extent, branches and relations of arch of aorta & descending thoracic aorta	Lecture

PY2.11/PY3.16	Blood group, BT/CT/ Demonstrate Harvard Step test and describe the impact on induced physiologic parameters in a simulated environment	AP/DO	PY5.7	Describe and discuss haemodynamics of circulatory system	Small Group Discussion	FC 5.5	Computer skills - Assessing online content	DOAP
AN25.7	Identify structures seen on a plain x-ray chest (PA view)	Practical		Sports/ Extarcurricular activities			Extracuricular activities	

Day-71	BI6.7	Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these. **VI Medicne** **HI Physiology**	Lecture	AN. 23.3	Describe and demonstrate origin, course, relations, tributaries and termination of superior vena cava, azygous, hemi azygous, and accessory hemiazygous vein.	Lecture	PY5.8	Describe and discuss local and systemic cardiovascular regulatory mechanisms	Lecture		PY2.11/PY3.16	Blood group, BT/CT/ Demonstrate Harvard Step test and describe the impact on induced physiologic parameters in a simulated environment	AP/DO	C.M. 1.10	Demonstrate the important aspects of the doctor patient relationship in a simulated environment	DOAP	FC 5.2, 5.3	English/ Local Language (Hindi)	small group teaching
Day-72	PY5.6	Abnormal ECG in Heart blocks,arrhythmias Myocardial infarction (Classroom)				ECE (Physiology)	AN23.5,23.6	Identify & Mention the location and extent of thoracic sympathetic chain, Describe the splanchnic nerves	Lecture		AN25.9	Demonstrate surface marking of lines of pleural reflection, lung borders and fissures, trachea, heart borders, apex beat & surface projection of valves of heart	Practical	PY5.9	Describe the cardiac outout & its regulation: ECHOCARDIOGRAPHY	Small Group Discussion	FC 4.2 Altruism as a virtue of physician (Small group discussion)		
	competency no.	**9 AM -10 AM**	**mode**	**competency no.**	**10 AM - 12 Noon**	**mode**	**competency no.**	**12 Noon - 1 PM**	**mode**	**1 PM-2 PM**	**competency no.**	**2 PM -4 PM**	**mode**	**competency no.**	**4 PM-5 PM**	**mode**	**competency no.**	**5 PM-6 PM**	**mode**

Day-73	AN23.7	Mention the extent, relations and applied anatomy of lymphatic duct **VI Surgery**	Lecture		PART COMPETITION VIVA		PY 5.9	Describe the cardiac outout & its regulation and factors affecting heart rate	Lecture		BI3.9	Discuss the mechanism and significance of blood glucose regulation in health and disease. Visit to Medicine ward (Diabetes) **VI Medicine**				ECE (Biochemistry)	FC 4.2 Altruism - case discussion		
Day-74	BI3.4	Define and differentiate the pathways of carbohydrate metabolism-glycogen metabolism. **VI Medicine**	Lecture		Anatomy FA & feedback		AN25.2	Describe development of pleura, lung & heart	Lecture		AN65.1,65.2	Identify epithelium under the microscope & describe the various types that correlate to its function, Describe the ultrastructure of epithelium	Practical	AN23.1, 23.2	Describe & demonstrate the external appearance, relations, blood supply, nerve supply,lymphatic drainage and applied anatomy of oesophagus, Describe & demonstrate the extent, relations tributari	SDL	FC 5.2, 5.3	English/ Local Language (Hindi)	small group teaching

Day-75	AN25.3	Describe fetal circulation and changes occurring at birth **VI Medicine HI Physiology**	Lecture	AN76.1,7 6.2	Describe the stages of human life, Explain the terms- phylogeny, ontogeny, trimester, viability	Small Group Teaching	PY5.9	Describe the blood pressure & its components and factors affecting BP	Lecture	PY3.18/PY3.16	Observe with Computer assisted learning (i) amphibian nerve muscle experiments / Demonstrate Harvard Step test and describe the impact on induced physiologic parameters in a	Demonstration, Computer assisted learning methods /AP	PY5.10	Describe & discuss regional circulation including cerebral, microcirculation, lymphatic circulation,capillary, skin **VI Medicine**	Small group discussion	FC 5.5	Computer skills - Assessing online content	DOAP
Day-76	PY5.9	Describe the regulation of blood pressure	Lecture	BI11.3/BI 3.7 & BI3.8	Perform urine analysis to estimate and determine chemical components of normal urine./Describe the common poisons that inhibit crucial enzymes of carbohydrate metabolism (eg;	DOAP/GD	AN25.4	Describe embryological basis of: 1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy & 4) tracheo-oesophageal fistula **VI Medicine, Paediatrics HI Physiolo**	Lecture	AN77.1,7 7.2	Describe the uterine changes occurring during the menstrual cycle, Describe the synchrony between the ovarian and menstrual cycles	Small Group Teaching		Glucone ogenesis and TCA cycle	SDL	FC 5.2, 5.3	English/ Local Languag e (Hindi)	small group teaching

Day-77	BI6.7	Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these. **VI Medicine HI Physiology**	Lecture	AN. 66.1, 66.2	Describe & identify various types of Connecti vetissue with functional correlation, Ultrasructure of connecti ve tissue	Practical	PY5.10	Describe & discuss regional circulation coronary	Lecture
Day-78	PY5.9	Hypertension & its complications (Hospital visit - Medicine Ward)				ECE (Physiology)	AN25.5	Describe developmental basis of congenital anomalies, transposition of great vessels, dextrocardia, patent ductus arteriosus and coarctation of aorta **VI Medicine Pediatrics**	Lecture

PY3.18/PY4.10	Observe with Computer assisted learning (i) amphibian nerve muscle experiments/ Demonstrate the correct clinical examination of the abdomen in a normal volunteer or simulated	Demonstration, Computer assisted learning methods / DO	C.M. 1.1 to 1.10	Assessment of Concept of Health and Disease		FC 5.5	Computer skills - Assessing online content	DOAP
AN77.3,77.4,77.5	Describe spermatogenesis and oogenesis along with diagrams, Describe the stages and consequences of fertilisation, Enumerate and describe the anatomical principles underlyi	Small Group Teaching	PY5.10	Describe & discuss regional circulation including microcirculation, lymphatic circulation,capillary, skin **VI Medicine**	Group discussion	FC 4.3 Value of integrity, respect and honesty (small group discussion)		

Day-79	AN25.6	Mention development of aortic arch arteries, SVC, IVC and coronary sinus	Lecture	AN77.6	Describe teratogenic influences; fertility and sterility, surrogate motherhood, social significance of "sex-ratio".	Small Group Teaching	PY5.11	Describe the patho-physiology of shock	Small Group Discussion
Day-80	BI3.4	Define and differentiate the pathways of carbohydrate metabolism-HMP shunt.	Lecture		Physiology FA & feedback		AN66.1,66.2	Describe & identify various types of connective tissue with functional correlation, Describe the ultrastructure of connective tissue	Lecture

BI3.7/BI3.8 & BI11.3	Describe the common poisons that inhibit crucial enzymes of carbohydrate metabolism (eg; fluoride, arsenate) & Discuss and interpret laboratory results of analytes. /Perform urine analysis	Small group discussion/nDOAP		FC 4.9 Time management (small group discussion)				
AN67.1, 67.2, 67.3	Describe & identify various types of muscle under the microscope, Classify muscle and describe the structure-function correlation of the same, Describe the ultrastructure of muscular tissue	Practical, Small Group Discussion	AN25.4	Describe embryological basis of: 1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy & 4) tracheo-oesophageal fistula	SDL	FC 5.5	Computer skills - Assessing online content	DOAP

Day-81	AN76.1,76.2	Describe the stages of human life, Explain the terms- phylogeny, ontogeny, trimester, viability	Lecutre	AN78.1,78.2	Describe cleavage and formation of blastocyst, Describe the development of trophoblast	Small Group Teaching	PY5.11	Describe the patho-physiology of syncope and heart failure	Small Group Discussion
Day-82	PY6.2	Describe the mechanics of normal respiration, pressure changes during ventilation,	Lecture	BI11.4	Perform urine analysis to estimate and determine abnormal constituents.	DOAP	AN77.1,77.2	Describe the uterine changes occurring during the menstrual cycle, Describe the synchrony between the ovarian and menstrual cycles	Lecture

PY3.18/PY4.10	Observe with Computer assisted learning (i) amphibian nerve-muscle experiments Demonstrate the correct clinical examination of the abdomen in a normal volunteer or simulated	Demonstration, Computer assisted learning methods /AP	PY6.1	Describe the functional anatomy of respiratory tract	SDL	FC 5.2, 5.3	English/ Local Language (Hindi)	small group teaching
AN78.3,78.4,78.5	~~Describe~~ the process of implantation & common abnormal sites of implantation, Describe the formation of extra-embryonic mesoderm and coelom, bilaminar disc and prochordal plate,	Small Group Teaching		Glycogen metabolism and HMP shunt	SDL	FC 5.5	Computer skills - Assessing online content	DOAP

Day-83	BI6.7	Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these.	Lecture	AN 68.1, 68.2, 68.3	Describe & Identify multipolar & unipolar neuron, ganglia, peripheral, Describe the structure-function correlation of neuron, Describe the ultrastructure of nervous tissue	Practical	PY6.2	Describe the lung volume and capacities,	Small Group Discussion		PY3.18/PY4.10	Observe with Computer assisted learning (i) amphibian nerve-muscle experiments Demonstrate the correct clinical examination of the abdomen in a normal volunteer or simulated	Demonstration, Computer assisted learning methods /AP	C.M. 2.1	Perform clinico socio-cultural and demographic assessment of the individual, family and community	DOAP	FC 5.2, 5.3	English/ Local Language (Hindi)	small group teaching
Day-84	AN68.1,68.2,68.3	Describe & Identify multipolar & unipolar neuron, ganglia, peripheral nerv, Describe the structure-function correlation of neuron, Describe the ultrastructure of nervous tissue	Lecture	AN79.5,79.6	Explain embryological basis of congenital malformations, nucleus pulposus, sacrococcygeal teratomas, neural tube defects, Describe the diagnosis of pregnancy in first trimester and role of	Small Group Teaching	PY6.2	Describe the ventilation, V/P ratio,diffusion capacity of lungs	Lecture	L U N C H	BI11.20 / BI11.5	Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states./Describe screening of urine for inborn errors & describe the use of paper chromat	practical /GD	FC 4.4 Working in a health care team (Group activity)				

Day-85	BI3.5, BI3.10	Describe and discuss the regulation, functions and integration of carbohydrate along with associated diseases/disorders. & Interpret the results of blood glucose levels and other laboratory investigations related to disorders of carbohydrate metabolism.	Small group learning		Biochemistry FA & feedback		AN77.3,7 7.4,77.5	Describe spermatogenesis and oogenesis along with diagrams , Describe the stages and consequences of fertilisation, Enumerate and describe the anatomical principles underlyi	Lecture	AN69.1, 69.2, 69.3	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	Practical	AN68.1,6 8.2,68.3	Describe & Identify multipolar & unipolar neuron, ganglia, peripheral nerv, Describe the structure-function correlation of neuron, Describe the ultrastructure of nervous tissue	SDL	FC 5.2, 5.3	English/ Local Language (Hindi)	small group teaching
Day-86	AN77.6	Describe teratogenic influences; fertility and sterility, surrogate motherhood, social significance of “sex-ratio”.	Lecture	AN80.1	Describe formation, functions & fate of- chorion: amnion; yolk sac; allantois & decidua	Small Group Teaching	PY6.3	Describe and discuss the transport of respiratory gases: Oxygen	Lecture	PY3.18/P Y5.16	Observe with Computer assisted learning (i) amphibian nerve-muscle experiments / Record Arterial pulse tracing using finger plethysmography in a volunteer or simulated environ	Demonstration, Computer assisted learning methods / DOAP sessions	PY5.10	Describe & discuss regional circulation including foetal, pulmonary and splanchnic circulation	SDL	FC 5.5	Computer skills - Assessing online content	DOAP

Day-87	PY6.3	Describe and discuss the transport of respiratory gases: Carbon dioxide	Lecture	BI11.20 / BI11.5	identify abnormal constituents in urine, interpret the findings and correlate these with pathological states./Describe screening of urine for inborn errors & describe the use of paper chromat	practical /GD	AN69.1,69.2,69.3	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	Lecture	AN80.2,80.3,80.7	Describe formation & structure of umbilical cord, Describe formation of placenta, its physiological functions, foetomaternal circulation & placental barrier, Describe various types of umbilical	Small Group Teaching	FC 4. 10 Understand the importance of interpersonal relationship (group task)					
Day-88	BI6.8	Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders.	Lecture	AN70	Glands & Lymphoid tissue	Practical		Describe in detail the neural & chemical regulation of respiration	Lecture	PY3.18/PY5.15	Observe with Computer assisted learning (ii) amphibian cardiac experiments/Demonstrate the correct clinical examination of the cardiovascular system in a normal volunteer or	Demonstration, Computer assisted learning methods / DO	C.M. 2.2	Demonstrate the correct assessment of socio-economic status of the family assigned	DOAP	FC 5.2, 5.3	English/ Local Language (Hindi)	small group teaching

Day-89		Obstructive & restrctive lung diseases Visit to hospital - Respiratory Medicine			ECE (Physiology)	AN78.1,78.2	Describe cleavage and formation of blastocyst, Describe the development of trophoblast	Lecture
Day-90	AN70.1	Identify exocrine gland under the microscope & distinguish between serous, mucous and mixed acini	Lecture	AN80.4,80.5	Describe embryological basis of twinning in monozygotic & dizygotic twins, Describe role of placental hormones in uterine growth & parturition	Small Group Teaching		Describe in detail the neural & chemical regulation of respiration	Lecture

AN80.4,80.5	Describe embryological basis of twinning in monozygotic & dizygotic twins, Describe role of placental hormones in uterine growth & parturition	Small Group Teaching		Describe in detail the neural & chemical regulation of respiration	Group discussion	FC 4.11	Role of mentoring	Small group discussion
BI3.5, BI3.10	Discuss the regulation, functions and integration of carbohydrate along with associated diseases/disorders. & Interpret the results of blood glucose levels and other laboratory investigations related to disorders of carbohydrate metabolism.				ECE (Biochemistry)	FC 5.5	Computer skills - Assessing online content	DOAP

Day-91	BI6.8	Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders.	Lecture	C.M. 1.10	Demonstrate the important aspects of the doctor patient relationship in a simulated environment	DOAP	AN80.4,80.5	Describe embryological basis of twinning in monozygotic & dizygotic twins, Describe role of placental hormones in uterine growth & parturition	Small Group Teaching	AN80.4,80.5	Describe embryological basis of twinning in monozygotic & dizygotic twins, Describe role of placental hormones in uterine growth & parturition	Small Group Teaching				FC 5.2, 5.3	English/ Local Language (Hindi)	small group teaching
Day-92	Disability competencies 4.5.1 to 4.5.8									Disability competencies 4.5.1 to 4.5.8						FC 5.5	Computer skills - Assessing online content	DOAP
Day-93	BI4.1	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. **VI medicine**	Lecture		Describe in detail the neural & chemical regulation of respiration	Lecture	AN70.1	Identify exocrine gland under the microscope & distinguish between serous, mucous and mixed acini **VI Pathology**	Lecture	PY3.18/PY5.15	Observe with Computer assisted learning (ii) amphibian cardiac experiments/Demonstrate the correct clinical examination of the cardiovascular system in a normal volunteer or simulate	Demonstration, Computer assisted learning methods / DO	C.M. 2.1	Perform clinico socio-cultural and demographic assessment of the individual, family and community	DOAP	FC 5.2, 5.3	English/ Local Language (Hindi)	small group teaching

Day-94	PY6.6	Describe and discuss the pathophysiology of hypoxia	Small Group discussion	FC 4.13	Comprehend the learning pedagogy and its role in learning skills	group activity	AN70.1	Identify exocrine gland under the microscope & distinguish between serous, mucous and mixed acini **VI Pathology**	Lecture
Day-95	AN70.1	Identify exocrine gland under the microscope & distinguish between serous, mucous and mixed acini **VI Pathology**	Lecture	AN80.4,80.5	Describe embryological basis of twinning in monozygotic & dizygotic twins, Describe role of placental hormones in uterine growth & parturition	Small Group Teaching	PY6.6	Describe and discuss the pathophysiology of hypoxia	Small Group discussion

AN80.4,80.5	Describe embryological basis of twinning in monozygotic & dizygotic twins, Describe role of placental hormones in uterine growth & parturition	Small Group Teaching	FC 4.15 Understand collaborative learning (Small group discussion)		
BI11.20/ BI6.6	Revision of Identification of abnormal constituents in urine./Discuss the biochemical processes involved in generation of energy in cells. Electron transport chain and Oxidative	Practical /tutorial	FC 5.1	Attitude & Communication	Hospital visit

Day-96	White Coat ceremony									AN80.4,80.5	Describe embryological basis of twinning in monozygotic & dizygotic twins, Describe role of placental hormones in uterine growth & parturition	Small Group Teaching		AN80.4,80.5	Describe embryological basis of twinning in monozygotic & dizygotic twins, Describe role of placental hormones in uterine growth & parturition	SDL		
	competency no.	**9 AM -10 AM**	**mode**	**competency no.**	**10 AM - 12 Noon**	**mode**	**competency no.**	**12 Noon - 1 PM**	**mode**	**1 PM-2 PM**	**competency no.**	**2 PM -4 PM**	**mode**	**competency no.**	**4 PM-5 PM**	**mode**			
Day-97	AN70.1	Identify exocrine gland under the microscope & distinguish between serous, mucous and mixed acini **VI Pathology**	Lecture	AN 71	Bone & Cartilage	Practical, Small Group Discussion	PY6.6	Describe and discuss the pathophysiology of dyspnoea, cyanosis asphyxia; drowning, periodic breathing	Small Group discussion		PY3.18/PY5.15	Observe with Computer assisted learning (ii) amphibian cardiac experiments/ Demonstrate the correct clinical examination of the cardiovascular system in a normal volunteer or simulate	Demonstration, Computer assisted learning methods / AP	PY6.6	Describe and discuss the pathophysiology of dyspnoea, cyanosis asphyxia; drowning, periodic breathing	Small Group discussion			

Day-98	PY6.6	Describe and discuss the pathophysiology of dyspnoea, cyanosis asphyxia; drowning, periodic breathing	Small Group discussion	BI11.20/ BI6.6	Revision of Identification of abnormal constituents in urine./Discuss the biochemical processes involved in generation of energy in cells. Electron transport chain and Oxidative	Practical /tutorial	AN70.1	Identify exocrine gland under the microscope & distinguish between serous, mucous and mixed acini **VI Pathology**	Lecture		AN 71	Bone & Cartilage	Practical, Small Group Discussion		maintenance of normal pH, water & electrolyte balance of body fluids	SDL			
Day-99	BI4.1	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. **VI medicine**	Lecture	AN 77, 78, 79, 80, 81	Gametogenesis and fertilization, Second, 3rd to 8th week of development, Fetal Membranes, Prenatal Diagnosis	Small Group Teaching	PY6.6	Describe and discuss the pathophysiology of dyspnoea, cyanosis asphyxia; drowning, periodic breathing	Small Group discussion		PY3.18/PY5.15	Observe with Computer assisted learning (ii) amphibian cardiac experiments/ Demonstrate the correct clinical examination of the cardiovascular system in a normal volunteer or	Demonstration, Computer assisted learning methods / AP	C.M. 2.3	Describe the assessment of barriers to good health and health seeking behavior	Small Group Discussion			

Day-100	PY6.4, 6.5	Describe and discuss the physiology of high altitude & acclimatization	Lecture	PY3.18/PY5.15	Observe with Computer assisted learning (ii) amphibian cardiac experiments/ Demonstrate the correct clinical examination of the cardiovascular system in a normal volunteer or	Demonstration, Computer assisted learning methods / AP	AN78.3,78.4,78.5	Describe the process of implantation & common abnormal sites of implantation, Describe the formation of extra-embryonic mesoderm and coelom, bilaminar disc and prochordal plate,	Lecture	AN 77, 78, 79, 80, 81	Gametogenesis and fertilization, Second, 3rd to 8th week of development, Fetal Membranes, Prenatal Diagnosis	Small Group Teaching	PY6.4, 6.5	Describe and discuss the physiology of high altitude & acclimatization	Group discussion			
Day-101	AN79.1,79.2,79.3,79.4	Describe the formation & fate of the primitive streak, Describe formation & fate of notochord, Describe the process of neurulation, Describe the development of somites and intra-embryonic coelom	Lecture	AN 77, 78, 79, 80, 81	Gametogenesis and fertilization, Second, 3rd to 8th week of development, Fetal Membranes, Prenatal Diagnosis	Lecture	PY6.4	Describe and discuss the physiology deep sea diving	Lecture		Practical Class Test/ Theory Viva			Sports/ Extarcurricular activities				

Day-102	BI5.1	Describe and discuss the classification & chemical reaction of amino acids.	Lecture		Anatomy FA & feedback		AN71.1,7 1.2	Identify bone under the microscope; classify various types and describe the structure-function correlation of the same, Identify cartilage under the microscope & describe various types	Lecture	AN 72	Integumentary System	Practical	AN78.1,7 8.2	Describe cleavage and formation of blastocyst, Describe the development of trophoblast	SDL			
Day-103	AN79.5,79.6	Explain embryological basis of congenital malformations, nucleus pulposus, sacrococcygeal teratomas, neural tube defects, Describe the diagnosis of pregnancy in first trimester and role of teratogens, alpha-fetoprotein **VI Obs & Gyne**	Lecture	AN80.6	Explain embryological basis of estimation of fetal age. **VI Obs & Gyne**	Small Group Teaching	PY6.5	Describe and discuss the principles of artificial respiration, oxygen therapy and decompression sickness.	Lecture	PY3.18/PY5.13	Observe with Computer assisted learning (ii) amphibian cardiac experiments/ Record and interpret normal ECG in a volunteer or simulated environment	Demonstration, Computer assisted learning methods / DO	PY4.1	Describe the structure and functions of digestive system **HI Anatomy**	SDL			

Day-104	PY6.5	Describe and discuss the principles of artificial respiration, oxygen therapy and decompression sickness.	Lecture		Practical Class Test/ Theory Viva		AN72.1	Identify the skin and its appendages under the microscope and correlate the structure with function	Lecture
Day-105	BI4.1	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. VI medicine	Lecture	AN81.18 1.2,81.3	Describe various methods of prenatal diagnosis, Describe indications, process and disadvantages of amniocentesis, Describe indications, process and disadvantages of chorion villus biops	Small Group Teaching	PY6.7	Describe and discuss lung function tests & their clinical significance	Lecture

AN81.18 1.2,81.3	Describe various methods of prenatal diagnosis, Describe indications, process and disadvantages of amniocentesis, Describe indications, process and disadvantages of chorion villus biops	Small Group Teaching		Revision class for pH and Buffer	Small Group Learning			
PY3.18/P Y5.13	Observe with Computer assisted learning (ii) amphibian cardiac experiments/ Record and interpret normal ECG in a volunteer or simulated environment	Demonstration, Computer assisted learning methods / DO	C.M. 2.3	Demonstrate the assessment of barriers to good health and health seeking behavior	DOAP			

Day-106	PY 4.2	Describe the composition, mechanism of secretion and regulation of saliva **HI Biochemistry**	Lecture	PY3.18/PY5.13	Observe with Computer assisted learning (ii) amphibian cardiac experiments/ Record and interpret normal ECG in a volunteer or simulated environment	Demonstration, Computer assisted learning methods / AP	AN80.1	Describe formation, functions & fate of- chorion: amnion; yolk sac; allantois & decidua	Lecture
Day-107	AN80.2,80.3,80.7	Describe formation & structure of umbilical cord, Describe formation of placenta, its physiological functions, foetomaternal circulation & placental barrier, Describe various types of umbilical cord attachments **VI Obs & Gyne**	Lecture	AN25.3	Describe fetal circulation and changes occurring at birth **VI Medicine HI Phsiology**	Small Group Teaching		Describe the physiology of mastication & deglutition	Lecture

AN25.2	Describe development of pleura, lung & heart	Small Group Teaching	PY 4.2	Describe the composition, mechanism of secretion and regulation of saliva	Lecture			
BI11.6	Describe the principles of colorimetry	DOAP		Sports/ Extarcurricular activities				

Day-108	BI5.1	Describe and discuss structural organization of proteins. Classification.	Lecture		Physiology FA & feedback		AN80.4,80.5	Describe embryological basis of twinning in monozygotic & dizygotic twins, Describe role of placental hormones in uterine growth & parturition **VI OBS & GYNE**	Lecture
Day-109	AN80.6	Explain embryological basis of estimation of fetal age. **VI Obs & Gynae**	Lecture	AN25.4	Describe embryological basis of: 1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy & 4) tracheo-oesophageal fistula **VI Medicine, Pediatrics HI Physiology**	Small Group Disscussion	PY 4.2	Describe the composition, mechanism of secretion, functions and regulation of gastric juice **HI Biochemistry**	Lecture

AN25.1	Identify, draw and label a slide of trachea and lung	Practical	AN80.2,80.3,	Describe formation & structure of umbilical cord, Describe formation of placenta, its physiological functions, foetomaternal circulation & placental barrier,	SDL			
PY3.18/PY5.13	Observe with Computer assisted learning (ii) amphibian cardiac experiments/ Record and interpret normal ECG in a volunteer or simulated environment	Demonstration, Computer assisted learning methods / AP	PY 4.2	Describe the functions of saliva	SDL			

Day-110	PY 4.2	Describe the composition, mechanism of secretion, functions and regulation of gastric juice	Lecture	BI11.21 / BI6.7	Demonstrate estimation of glucose in serum./ Discuss the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements	Practical /Group discussion	AN81.18 1.2,81.3	Describe various methods of prenatal diagnosis, Describe indications, process and disadvantages of amniocentesis, Describe indications, process and disadvantages of chorion villus biops	Lecture	L U N C H	AN25.5	Describe developmental basis of congenital anomalies, transposition of great vessels, dextrocardia, patent ductus arteriosus and coarctation of aorta **VI Medicine & Pediatrics HI**	Small Group Disscussion		Sports/ Extarcurricular activities				
Day-111	BI4.1	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. **VI medicne**	Lecture	AN25.6	Mention development of aortic arch arteries, SVC, IVC and coronary sinus	Small Group Disscussion	PY 4.3	Describe gastric motility, its regulation & functions	Lecture		PY3.18/PY5.14	Observe with Computer assisted learning (ii) amphibian cardiac experiments/ Observe cardiovascular autonomic function tests in a volunteer or simulated environment	Demonstration, Computer assisted learning methods / DO	C.M. 2.4	Describe social psychology, community behaviour and community relationship and their impact on health and disease	Lecture			

Day-112	PY4.9	peptic ulcer, gastrooesophageal reflux disease Hospital visit to medicine			ECE (Physiology)	AN81.18 1.2,81.3	Describe various methods of prenatal diagnosis, Describe indications, process and disadvantages of amniocentesis, Describe indications, process and disadvantages of chorion villus biops	Lecture
Day-113	AN44.1	Describe & demonstrate the Planes (transpyloric, transtubercular, subcostal, lateral vertical, linea alba, linea semilunaris), regions & Quadrants of abdomen **VI Surgery**	Lecture	AN44.1	Describe & demonstrate the Planes (transpyloric, transtubercular, subcostal, lateral vertical, linea alba, linea semilunaris), regions & Quadrants of abdomen **VI Surgery**	DOAP Session	PY 4.7	Describe & discuss the structure and functions of liver and gall bladder **HI Biochemistry**	Lecture

	PART COMPETITION VIVA		PY4.9	Discuss the physiology aspects of: peptic ulcer, gastrooesophageal reflux disease **VI Medicine** **HI Biochemistry**	Small Group Discussion			
BI6.8	Discuss and Interpret results of Arterial Blood Gas (ABG) analysis in various disorders. **VI medicine**				ECE (Biochemistry			

Day-114	BI5.1	Describe and discuss structural organization of proteins. Classification.	Lecture		Biochemistry FA & feedback		AN44.2, 44.7	Describe & identify the Fascia, nerves & blood vessels of anterior abdominal wall, Enumerate common Abdominal incisions	Lecture
Day-115	AN44.3,44.6	Describe the formation of rectus sheath and its contents, Describe & demonstrate attachments of muscles of anterior abdominal wall **VI Surgery**	Lecture	AN44.2,44.7	Describe & identify the Fascia, nerves & blood vessels of anterior abdominal wall, Enumerate common Abdominal incisions **VI Surgery**	Smallgroup discussion, Practical	PY 4.2	Describe the composition, mechanism of secretion, functions, and regulation of bile secretion **HI Biochemistry**	Lecture

AN44.1	Describe & demonstrate the Planes (transpyloric, transtubercular, subcostal, lateral vertical, linea alba, linea semilunaris), regions & Quadrants of abdomen	DOAP Session	AN80.4,81.1	Describe embryological basis of twinning in monozygotic & dizygotic twins,Describe various methods of prenatal diagnosis, Describe indications, process and disadvantages of amniocentesis	SDL			
PY3.18/PY5.14	Observe with Computer assisted learning (ii) amphibian cardiac experiments/ Observe cardiovascular autonomic function tests in a volunteer or simulated environment	Demonstration, Computer assisted learning methods / AP	PY4.4	Describe the physiology of digestion and absorption of nutrients **HI Biochemistry**	SDL			

Day-116	PY 4.2	Describe the composition, mechanism of secretion, functions, and regulation of pancreatic secretion	Lecture	BI6.7 / BI11.21	Discuss the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these./ Demonstrate estimation of glucose	Group discussion/ practical	AN44.4,44.5	Describe & demonstrate extent, boundaries, contents of Inguinal canal including Hesselbach's triangle, Explain the anatomical basis of inguinal hernia.	Lecture	AN44.2,44.7	Describe & identify the Fascia, nerves & blood vessels of anterior abdominal wall, Enumerate common Abdominal incisions	Smallgroup discussion, Practical		Sports/ Extarcurricular activities				
Day-117	BI4.2	Describe the processes involved in digestion and absorption of dietary lipids and also the key features of their metabolism. Fatty acid oxidation and ketosis. **VI medicine**	Lecture	AN44.3,44.6	Describe the formation of rectus sheath and its contents, Describe & demonstrate attachments of muscles of anterior abdominal wall **VI Surgery**	Practical	PY 4.2	Describe the composition, mechanism of secretion, functions, and regulation of intestinal juices **HI Biochemistry**	Lecture	PY5.14	Demostrate apparatus and principles of the hemocytometry/ Observe cardiovascular autonomic function tests in a volunteer or simulated environment	Demonstration, / AP	C.M. 2.5	Describe poverty and social security measures and its relationship to health and disease	Small Group Discussion			

Day-118	PY 4.2	Describe the composition, mechanism of secretion, functions, and regulation of intestinal juices	Lecture	PY5.14	Demostrate apparatus and principles of the hemocytometry/ Observe cardiovascular autonomic function tests in a volunteer or simulated environment	Demonstration, / AP	AN45.1,45.2,45.3, 47.12	Describe Thoracolumbar fascia, Describe & demonstrate Lumbar plexus for its root value, formation & branches, Mention the major subgroups of back muscles, nerve supply and	Lecture	AN44.4,44.5	Describe & demonstrate extent, boundaries, contents of Inguinal canal including Hesselbach's triangle, Explain the anatomical basis of inguinal hernia. **Vi Surgery**	Practical	PY 4.3	Describe small intestinal motility, its regulation & functions	Lecture			
Day-119	AN46.1,46.4,46.5	Describe & demonstrate coverings, internal structure, side determination, blood supply, nerve supply, lymphatic drainage & descent of testis with its applied anatomy, Explain the anatomical basis of Varicocoele, Explain the anatomical basis of Phimosis & Circumcision **VI Surgery**	Lecture	AN46.1,46.4,46.5	Describe & demonstrate coverings, internal structure, side determination, blood supply, nerve supply, lymphatic drainage & descent of testis with its applied anatomy, Explain the anatomic	Practical	PY 4.3	Describe small intestinal motility, its regulation & functions	Lecture	BI11.9/ BI4.2	Demonstrate the estimation of serum total cholesterol./ Fatty acid oxidation and ketosis. And Fatty acids biosynthesis **VI medicine**	Practical / tutorial		Sports/ Extarcurricular activities				

Day-120	BI5.3	Describe the digestion and absorption of dietary proteins. Catabolism of amino acids and ammonia metaboilsm. **VI pediatrics**	Lecture	C.M. 3.1, C.M. 3.1	Describe the health hazards of air and water pollution and its control and preventi on/ Describe the health hazards of noise and radiation pollution and its control and preventi on	Lecture	AN46.2,4 6.3	Describe parts of Epididy mis, Describe Penis under following headings : (parts, compon ents, blood supply and lymphati c drainage)	Lecture
Day-121	AN44.4,44.5	Inguinal hernia visit to surgery ward				ECE (Anatom y)	PY 4.3	Describe the physiolo gy of large intestine , its motility, Defaecat ion reflex and role of dietary fibre	L

47.13, 53.1, 53.4	Describe & demonst rate the attachm ents, openings , nerve supply & action of the thoracoa bdomina l diaphragm, Identify & hold the bone in the anatomic al position, Describe the salient	DOAP Session	AN44.1,4 4.3	Describe & demonst rate the Planes (transpyl oric, transtub ercular, subcosta l, lateral vertical, linea alba, linea semiluna ris), regions & Quadran ts of abdome n, Describe the formatio	SDL			
PY2.11/P Y5.14	Estimate the RBC count / Observe cardiova scular autonom ic function tests in a volunte er or simulate d environ ment	DO/AP	PY4.4	Describe the physiolo gy of digestion and absorpti on of nutrients	SDL			

Day-122	PY 4.5	Describe the source of GIT hormones, their regulation and functions	Lecture	BI11.9/ BI4.2	Demonstrate the estimation of serum total cholesterol./ Fatty acid oxidation and ketosis. And Fatty acids biosynthesis **VI medicne**	Practical / tutorial	AN47.2	Name & identify various peritoneal folds & pouches with its explanation **VI Surgery**	Lecture		AN47.2	Name & identify various peritoneal folds & pouches with its explanation	Smallgroup discussion, Practical		Revision class for Amino acids classification & structural organization of proteins	Lecture			
	competency no.	**9 AM -10 AM**	**mode**	**competency no.**	**10 AM - 12 Noon**	**mode**	**competency no.**	**12 Noon - 1 PM**	**mode**	**1 PM-2 PM**	**competency no.**	**2 PM -4 PM**	**mode**	**competency no.**	**4 PM-5 PM**	**mode**			
Day-123	BI4.2	Fatty acids biosynthesis **VI medicine**	Lecture	AN47.5,47.6	Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve	Practical	PY 4.5	Describe the source of GIT hormones, their regulation and functions	Lecture		PY2.11/PY5.14	Estimate the RBC count / Observe cardiovascular autonomic function tests in a volunteer or simulated environment	DO/AP	C.M. 2.1 to 2.5	Assessment of Relationship of social and behavioural factors to health and diseases				

Day-124	PY4.6	Describe the Gut-Brain Axis	Lecture	PY2.11/PY6.8	Estimate the RBC count / Demonstrate the correct technique to perform & interpret Spirometry simulated environment **VI Respiratory Medicine**	AP/DO	AN47.3,47.4	Explain anatomical basis of Ascites & Peritonitis, Explain anatomical basis of Subphrenic abscess	Lecture		AN47.5,47.6	Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply,	Practical	PY 4.5	Describe the source of GIT hormones, their regulation and functions	Group discussion			
Day-125	AN47.5,47.6	Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects), Explain the anatomical basis of Splenic notch, Accessory spleens, Kehr's sign, Different types of vagotomy, Liver biopsy (site of needle puncture), Referred pain in cholecystitis, Obstructive jaundice, Referred pain around umbilicus, Radiating pain of kidney to groin & Lymphatic spread in carcinoma stomach **VI Surgery**	Lecture	AN47.5,47.6	Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve	Practical	PY4.8	Describe & discuss gastric function tests, liver & pancreatic function tests **HI Biochemistry**	Lecture		BI4.2 & BI4.4	Metabolism of triacylglycerol, adipose tissue and fatty liver.Lipoproteins and its relations with atherosclerosis. **VI Medicine**	Group discussion		Sports/ Extarcurricular activities				

Day-126	BI5.4	Metabolism of Aromatic and Branched chain Amino acids **VI pediatrics**	Lecture		Anatomy FA & Feedback		AN47.5,47.6	Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply,	Lecture	AN52.1	Describe & identify the microanatomical features of Gastro-intestinal system: Oesophagus, Fundus of stomach, Pylorus of stomach, Duodenum, Jejunum, Ileum, Large intestine, Appendi	Practical	AN44.4,44.5	Describe & demonstrate extent, boundaries, contents of Inguinal canal including Hesselbach's triangle, Explain the anatomical basis of inguinal hernia.	SDL			
Day-127	AN47.5,47.6,47.7	Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects), Explain the anatomical basis of Splenic notch, Accessory spleens, Kehr's sign, Different types of vagotomy, Liver biopsy (site of needle puncture), Referred pain in cholecystitis, Obstructive jaundice, Referred pain around umbilicus, Radiating pain of kidney to groin & Lymphatic spread in carcinoma stomach, Mention the clinical importance of Calot's triangle **VI Surgery**	Lecture	AN47.5,47.6	Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply,	Practical, DOAP Session	PY4.8	Describe & discuss gastric function tests, liver & pancreatic function tests **HI Biochemistry**	Lecture	PY2.11/PY6.8	Estimate the RBC count / Demonstrate the correct technique to perform & interpret Spirometry simulated environment	AP/DO	PY7.1	Describe structure and function of kidney	SDL			

Day-128	PY4.9	Discuss the physiology aspects of: vomiting, diarrhoea, constipation, Adynamic ileus, Hirschsprung's disease **VI Medicine**	Small group discussion	BI11.9	Demonstrate the estimation of serum HDL cholesterol.	Practical	AN47.9	Describe & identify the origin, course, important relations and branches of Abdominal aorta, Coeliac trunk, Superior mesenteric, Inferior mesenteric & Common iliac artery	Lecture	AN47.8,47.9	Describe & identify the formation, course relations and tributaries of Portal vein, Inferior vena cava & Renal vein, Describe & identify the origin, course, important relations	Practical		Fatty acid oxidation and ketosis, Denovosynthesis of fatty acids	SDL			
Day-129	BI4.3	Explain the regulation of lipoprotein metabolism & associated disorders.	Lecture	AN47.8,47.9	Describe & identify the formation, course relations and tributaries of Portal vein, Inferior vena cava & Renal vein, Describe & identify the origin, course, important relations	Practical	PY7.2	Describe the structure and functions of juxtaglomerular apparatus	Lecture	PY2.12/PY6.8	Describe test for Hematocrit. Note the findings and interpret the test results etc/ Demonstrate the correct technique to perform & interpret Spirometry	DO/AP	C.M. 3.1	Discuss the health hazards of air pollution and its control and prevention	Self directed learning			

Day-130	PY 4.9	Vomiting & Diarrhoea Hospital visit to Pediatrics			ECE (Physiology)	AN47.8,47.10,47.11	Describe & identify the formation, course relations and tributaries of Portal vein, Inferior vena cava & Renal vein,, Enumerate the sites of portosystemic anastomosis, Explain the	Lecture
Day-131	AN47.14	Describe the abnormal openings of thoracoabdominal diaphragm and diaphragmatic hernia	Lecture	AN47.5,47.6	Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply,	Practical, DOAP Session	PY7.3	Describe the mechanism of urine formation involving processes of filtration	Lecture

AN47.5,47.6	Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply,	Practical, DOAP Session	PY7.3	Describe the mechanism of urine formation involving processes of filtration	Small Group Discussion			
BI11.10 / BI4.2	Demonstrate the estimation of triglycerides/ Phospholipid and Sphingolipid metabolism **VI Medicine**	Practical /tutorial		Sports/ Extarcurricular activities				

Day-132	BI5.4	Metabolism of Histidine, Prolin, Acidic and Basic amino acids. **VI Pediatrics**	Lecture		Physiology FA & feedback		AN47.5,47.6	Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply,	Lecture		AN52.1	Describe & identify the microanatomical features of Gastro-intestinal system: Oesophagus, Fundus of stomach, Pylorus of stomach, Duodenum, Jejunum, Ileum, Large intestine, Appendi	Practical	AN47.10, 47.11	Enumerate the sites of portosystemic anastomosis, Explain the anatomic basis of hematemesis& caput medusae in portal hypertension	SDL			
Day-133	AN47.5,47.6	Obstructive jaundice, Referred pain in cholecystitis, Referred pain around umbilicus, Radiating pain of kidney to groin & Lymphatic spread in carcinoma stomach classroom				ECE (Anatomy)	PY7.3	Describe the mechanism of urine formation involving processes of tubular reabsorption & secretion	Lecture	L U N C H	PY2.11/PY6.9	Estimate the RBC indices/ Demonstrate the correct clinical examination of the respiratory system in a normal volunteer or simulated environment	DOAP/DO	PY7.2	Describe the role of renin-angiotensin system	Small Group Discussion			

Day-134	PY7.3	Describe the mechanism of urine formation involving processes of tubular reabsorption & secretion	Lecture	BI11.10 / BI4.2	Demonstrate the estimation of triglycerides/ Phospholipid and Sphingolipid metabolism **VI medicine**	Practical /tutorial	AN47.5,47.6	Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply,	Lecture	AN49.1,49.2,49.3	Describe & demonstrate the superficial & deep perineal pouch boundaries and contents), Describe & identify Perineal body, Describe & demonstrate Perineal membrane in male &	Practical		Revision class for Cholesterol Metabolism and its derivatives	Small Group learning			
Day-135	BI4.3	Explain the regulation of lipoprotein metabolism & associated disorders. **VI meidicne**	Lecture	AN49.4,49.5	Describe & demonstrate boundaries, content & applied anatomy of Ischiorectal fossa, Explain the anatomical basis of Perineal tear, Episiotomy, Perianal abscess and Anal fissure	Practical	PY7.3	Describe the mechanism of urine formation involving processes of concentration and diluting mechanism	Lecture	PY2.11/PY6.9	Estimate the RBC indices/ Demonstrate the correct clinical examination of the respiratory system in a normal volunteer or simulated environment	DOAP/DO	C.M. 3.1	Discuss the health hazards of water pollution and its control and prevention	Self directed learning			

Day-136	PY7.4	Describe & discuss the significance & implication of Renal clearance	Lecture	PY2.11/PY6.9	Revision Estimate the RBC count/Demonstrate the correct clinical examination of the respiratory system in a normal volunteer or simulated environment	DOAP/AP	AN49.1,49.2,49.3	Describe & demonstrate the superficial & deep perineal pouch boundaries and contents), Describe & identify Perineal body, Describe & demonstrate Perineal membrane in male &	Lecture	AN49.4,49.5	Describe & demonstrate boundaries, content & applied anatomy of Ischiorectal fossa, Explain the anatomical basis of Perineal tear, Episiotomy, Perianal abscess and Anal fissure	Practical	PY7.4	Describe & discuss the significance & implication of Renal clearance	Group discussion			
Day-137	AN49.4,49.5	Describe & demonstrate boundaries, content & applied anatomy of Ischiorectal fossa, Explain the anatomical basis of Perineal tear, Episiotomy, Perianal abscess and Anal fissure **VI Obs & gyne**	Lecture	AN50.1,50.2,50.3	Describe the curvatures of the vertebral column, Describe & demonstrate the type, articular ends, ligaments and movements of Intervertebral joints, Sacroiliac joints & Pubic symphysis, Describe	Smallgroup discussion, Practical	PY7.5	Describe the renal regulation of acid-base balance	Lecture	BI5.4	Describe common disorders associated with protein metabolism.	Classroom		ECE (Biochemistry)				

Day-138	BI5.4	Describe common disorders associated with protein metabolism. **VI Pediatrics**	Lecture		Biochemistry FA & feedback		AN50.1,50.2,50.3	Describe the curvatures of the vertebral column, Describe & demonstrate the type, articular ends, ligaments and movements of Intervertebral joints, Sacroiliac joints & Pubic symphysis, Describe	Lecture	AN52.1,52.3	Describe & identify the microanatomical features of Gastro-intestinal system: Oesophagus, Fundus of stomach, Pylorus of stomach, Duodenum, Jejunum, Ileum, Large intestine, Appendi	Practical	AN13,47.14	Describe & demonstrate the attachments, openings, nerve supply & action of the thoracoabdominal diaphragm,Describe the abnormal openings of thoracoabdominal diaphragm and	SDL			
Day-139	AN52.4,52.5	Describe the development of anterior abdominal wall, Describe the development and congenital anomalies of Diaphragm	Lecture	AN53.1,53.4	Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups, Explain and demonstrate clinical importance of	Smallgroup Teaching, Practical	PY7.5	Describe the renal regulation of fluid and electrolytes & acid-base balance	Lecture	PY2.11/PY6.9	Revision Estimate the RBC count/Demonstrate the correct clinical examination of the respiratory system in a normal volunteer or simulated environment	DOAP/AP	PY7.5	Describe the renal regulation of fluid and electrolytes	Small Group Discussion			

Day-140	BI4.4	Describe the structure and functions of lipoproteins, their functions, interrelations & relations with atherosclerosis **VI Medicine**	Small group learning	AN53.2, 53.3	Demonstrate the anatomical position of bony pelvis & show boundaries of pelvic inlet, pelvic cavity, pelvic outlet, Define true pelvis and false pelvis and demonstrate sex determination in male &	DOAP session	PY7.6	Describe the innervations of physiology of micturition and its abnormalities	Small Group discussion	PY2.11/PY4.10	Revision DLC/Demonstrate the correct clinical examination of the abdomen in a normal volunteer or simulated environment	DOAP/DO	C.M. 3.1	Discuss the health hazards of noise pollution and its control and prevention	Small Group Discussion			
Day-141	PY7.9	Describe cystometry and discuss the normal cystometrogram	Lecture	PY2.11/PY4.10	Revision DLC/Demonstrate the correct clinical examination of the abdomen in a normal volunteer or simulated environment	DOAP/DO	AN52.6	Describe the development and congenital anomalies of: Foregut, Midgut & Hindgut **VI Surgery**	Lecture	AN51.1, 51.2	Describe & identify the cross-section at the level of T8, T10 and L1 (transpyloric plane), Describe & identify the midsagittal section of male and female pelvis	Smallgroup discussion, Practical		Renal revision				
Day-142	1st terminal examination																	
Day-143																		
Day-144																		
Day-145																		
Day-146																		
Day-147																		

	competency no.	9 AM -10 AM	mode	competency no.	10 AM - 12 Noon	mode	competency no.	12 Noon - 1 PM	mode	1 PM-2 PM	competency no.	2 PM -4 PM	mode	competency no.	4 PM-5 PM	mode			
Day-148	BI4.2	Cholesterol Metabolism	Lecture	C.M. 3.2	Describe concepts of safe and wholesome water, sanitary sources of water & water purification processes on Small Scale/ Describe water purification processes on Large Scale	Lecture	AN52.7	Describe the development of Urinary system **VI Surgery**	Lecture		AN52.2	Describe & identify the microanatomical features of: Urinary system: Kidney, Ureter & Urinary bladder	Practical	AN49.4,49.5	Describe & demonstrate boundaries, content & applied anatomy of Ischiorectal fossa, Explain the anatomical basis of Perineal tear, Episiotomy, Perianal abscess and Anal fissure	SDL			
Day-149	AN54.2, 54.3	Describe & identify the special radiographs of abdominopelvic region (contrast X ray Barium swallow, Barium meal, Barium enema, Cholecystography, Intravenous pyelography & Hysterosalpingography), Describe role of ERCP, CT abdomen, MRI, Arteriography in radiodiagnosis of abdomen. **VI Radiodiagnosis** Visit to Radiodiagnosis				ECE (Anatomy)	PY7.7	Describe artificial kidney, dialysis and renal transplantation	Lecture		PY2.11/PY4.10	Revision DLC/Demonstrate the correct clinical examination of the abdomen in a normal volunteer or simulated environment	DOAP/DO	PY7.8	Describe & discuss Renal Function Tests **HI Biochemistry (sharing)**	Small Group Discussion			

Day-150	PY9.1	Describe and discuss sex determination; sex differentiation	Lecture	BI11.21 / BI6.2	Demonstrate the estimation of serum urea and Urea clearance/ Discuss the Purine metabolism	Practical /tutorial	AN48.1	Describe & identify the muscles of Pelvic diaphragm	Lecture		AN48.2, AN48.1	Describe & identify the muscles of Pelvic diaphragm, Describe & demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphati	Practical, DOAP session		Sports/ Extarcurricular activities				
Day-151	BI6.2	Describe and discuss the Biomedical importance, structure of nucleotides.	Lecture	AN48.2	Describe & demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) important male &	Practical, DOAP session	PY9.1	Describe and discuss the abnormities and outline psychiatry and practical implication of sex determination.	Lecture		PY 2.13/ PY10.11	Describe steps for reticulocyte/Clinical Examination of nervous system - higher functions **HI anatomy**	DOAP	C.M. 3.2	Describe the concepts of water conservation and rainwater harvesting	Small Group Discussion			

Day-152	PY9.2	Describe and discuss puberty: onset, progression, stages of puberty	Lecture	Module 1.4	AETCOM : principles of communication.	large group discussion	AN48.2,48.5	Describe & demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) important male &	Lecture	AN48.2	Describe & demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) important male &	Practical, DOAP session	PY9.2	Describe and discuss puberty: onset, progression, stages of puberty	Small Group Discussion			
Day-153	AN48.2,48.5	Describe & demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) important male & female pelvic viscera, Explain the anatomical basis of suprapubic cystostomy, Urinary obstruction in benign prostatic hypertrophy, Retroverted uterus, Prolapse uterus, Internal and external haemorrhoids, Anal fistula, Vasectomy,Tubal pregnancy & Tubal ligation **VI Surgery**	Lecture	AN48.3,48.4	Describe & demonstrate the origin, course, important relations and branches of internal iliac artery, Describe the branches of sacral plexus	Practical, DOAP session	Module 1.4	AETCOM : importance and techniques of effective communication.	SDL	BI11.21 / BI6.2	Demonstrate the estimation of serum urea and Urea clearance/ Discuss the Purine metabolism	Practical /tutorial		Sports				

Day-154		Hormone - General properties and Mechanism of Action. Hypothalamic and Pituitary Hormone	Small Group Discussion		Biochemistry FA & feedback		AN48.3,48.4	Describe & demonstrate the origin, course, important relations and branches of internal iliac artery, Describe the branches of sacral plexus	Lecture
Day-155	AN48.2,48.7	Describe & demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) important male & female pelvic viscera,Mention the lobes involved in benign prostatic hypertrophy & prostatic cancer	Lecutre	AN48.2	Describe & demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) important male &	Practical, DOAP session	PY9.2	Discuss & describe early and delayed puberty and outline adolescent clinical and psychological association.	small group discussion

AN52.2	Describe & identify the microanatomical features of: Male Reproductive System: Testis, Epididymis,Vas deferens, Prostate & penis	Practical	AN52.7	Describe the development of Urinary system	SDL			
PY 2.13/ PY10.11	Describe steps for reticulocyte/Clinical Examination of nervous system - higher functions **HI anatomy**	DOAP	PY9.3	Describe the anatomy of male reproductive system and functions of testis	SDL			

Day-156	PY9.3	Describe male reproductive system: control of spermatogenesis & factors modifying it and outline its association with psychiatric illness	Lecture	BI11.7 /BI6.2	Demonstrate the estimation of serum creatinine and creatinine clearance/ Discuss the Pyrimidine metabolism	Practical /tutorial	AN48.2,4 8.8	Describe & demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) important male &	Lecutre	AN48.5,4 8.6	Explain the anatomical basis of suprapubic cystostomy, Urinary obstruction in benign prostatic hypertrophy, Retroverted uterus, Prolapse uterus, Internal and external haemorrhoids, Anal	Practical, DOAP session		Nucleotides chemistry	SDL			
Day-157	BI6.2	Describe and discuss the Purine metabolism	Lecture	AN52.2	Describe & identify the microanatomical features of: Male Reproductive System: Testis, Epididymis,Vas deferens, Prostate & penis	Practical	PY9.3	Discuss the endocrine functions of testis and abnoralities of male reproductive system	Lecture	PY 2.13/ PY10.11	Describe steps for platelet count/ sensory system **HI anatomy**	DOAP	C.M. 3.2	Demonstrate the concepts of water conservation and rainwater harvesting	DOAP			

Day-158	PY7.7	Describe artificial kidney & dialysis (visit to dialysis unit in hospital) **VI Medicine**			ECE (Phsyiology)	AN73.1	Describe the structure of chromosomes with classification	Lecture
Day-159	AN73.2,73.2	Describe technique of karyotyping with its applications, Describe the Lyon's hypothesis	Lecture	AN73.2,73.2	Describe technique of karyotyping with its applications, Describe the Lyon's hypothesis	Practical, Small Group Discussion	Module 1.4	AETCOM: importance and techniques of effective communication.	SDL

AN73.1	Describe the structure of chromosomes with classification	Practical, Small Group Discussion	PY9.4	Describe female reproductive system: functions of ovary and its control estrogen & progesterone	Small Group Discussion			
BI11.7 /BI6.2	Demonstrate the estimation of serum creatinine and creatinine clearance/ Discuss the Pyrimidine metabolism	Practical /tutorial		Sports/ Extarcurricular activities				

Day-160		Thyroid and Parathyroid Adrenal hormones	Lecture	C.M. 3.1	Describe the concept of Ventilation, Light & Radiation/ Describe the concept of Meteorological environment	Lecture	AN74.1,74.2	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 **VI Medicine &**	Lecture	L U N C H	AN52.2,52.3	Describe & identify the microanatomical features of: Urinary system: Female reproductive system: Ovary, Uterus, Uterine tube, Cervix, Placenta & Umbilical cord,	Practical	AN48.1,48.7	Describe & identify the muscles of Pelvic diaphragm, Mention the lobes involved in benign prostatic hypertrophy & prostatic cancer	SDL			
Day-161	AN74.3,74.4	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 **VI Medicne, Pediatrics**	Lecture	AN73.2,73.2	Describe technique of karyotyping with its applications, Describe the Lyon's hypothesis	Small Group Teaching	PY9.4	Describe female reproductive system: menstrual cycle - hormonal, uterine and ovarian changes	Lecture		PY 2.13/ PY10.11	Describe steps for platelet count/ sensory system	DOAP	PY9.4	Describe the anatomy of female reproductive system	SDL			

Day-162	PY9.4	Describe female reproductive system: menstrual cycle - hormonal, uterine and ovarian changes	Lecture	BI6.3	Demonstrate the estimation of Uric Acid **HI Physiology**	Practical	AN75.1,75.2	Describe the structural and numerical chromosomal aberrations, Explain the terms mosaics and chimeras with example **VI Pediatrics**	Lecture
Day-163	PY9.5	Describe and discuss the physiological effects of sex hormones	Small Group Discussion	Module 1.4	sessions on improving communication	small group discussion	AN75.3,75.4,75.5	Describe the genetic basis & clinical features of Prader Willi syndrome Edward syndrome & Patau syndrome, Describe genetic basis of variation : polymorphism and mutation , Describe	Lecture

AN74.1,74.2	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	Small Group Teaching		sports & Extracurricular				
AN75.1,75.2, 75.3,75.4,75.5	Describe the structural and numerical chromosomal aberrations, Explain the terms mosaics and chimeras with example, Describe the genetic basis & clinical features of Prader Willi	Small Group Teaching	PY9.5	Describe and discuss the physiological effects of sex hormones	Small Group Discussion			

Day-164	AN27.1,27.2	Describe the layers of scalp, its blood supply, its nerve supply and surgical importance, Describe emissary veins with its role in spread of infection from extracranial route to intracranial venous sinuses	Lecture	AN 74, 75, 76	Patterns of Inheritance, Principle of Genetics, Chromosomal Aberrations & Clinical Genetics, ntroduction to embryology	Lecture	Module 1.4	Closure session - Reflection by students	small group discussion
Day-165		Pancreatic, Gastrointestinal, Adrenal and sex hormones.	Lecture	PY9.6	Enumertate the contraceptive methods for male & female. Discuss the advantages & disadvantages **VI Obs & Gyne & Community Medicine**	small group discussion	AN28.1 AN28.2,28.3,28.8	Describe & demonstrate muscles of facial expression and their nerve supply escribe sensory innervation of face, Describe & demonstrate origin /formation, course, branches /tributaries of	Lecture
Day-166	AN 74, 75, 76	Patterns of Inheritance, Principle of Genetics, Chromosomal Aberrations & Clinical Genetics, ntroduction to embryology Classroom				ECE (Anatomy	PY9.8	Describe and discuss the physiology of pregnancy **VI Obs & Gyne**	Lecture

BI6.3	Describe the common disorders associated with nucleotide metabolism. **HI Physiology**				ECE (Biochemistry)			
AN26.1, 26.2, 27.1,27.2	Demonstrate anatomical position of skull, Identify and locate individual skull bones in skull,Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis, Describe the layers of	Small Group teaching, DOAP Session	AN73.2,73.3	Describe technique of karyotyping with its applications, Describe the Lyon's hypothesis	SDL			
PY 2.12/ PY10.11	Describe ESR/ MOTOR system **HI anatomy**	DOAP	PY9.8	Describe and discuss the physiology of lactation	Small Group Discussion			

Day-167	PY9.8	Describe and discuss the physiology of pregnancy& parturition &outline the psychology and psychiatry-disorders associated with it.	Lecture	BI11.11/	Demonstrate estimation of calcium and phosphorous/ Hormone - General properties and Mechanism of Action.	Practical / tutorial	AN28.4,28.7	Describe & demonstrate branches of facial nerve with distribution, Explain the anatomical basis of facial nerve palsy **VI Medicine**	Lecture
Day-168	BI6.2	Describe and discuss the Purine metabolism	Lecture	AN74.3,74.4	~~Describe~~ multifactorial inheritance with examples, Describe the genetic basis & clinical features of Achondroplasia, Cystic Fibrosis, Vitamin D resistant rickets, Haemophilia, Duchene's	Small Group Teaching	PY9.4	Describe female reproductive system: menstrual cycle - hormonal, uterine and ovarian changes	Lecture

AN28.2,28.3, 28.8	Describe sensory innervation of face,Describe and demonstrate origin/ formation ,course, branches /tributaries of facial vessels, Explain surgical impotance of deep facial vein	Lecture		Sports/ Extarcurricular activities				
PY 2.13/ PY10.11	Describe steps for platelet count/ sensory system	DOAP	C.M. 3.3	Describe the aetiology and basis of water borne diseases /jaundice/hepatitis/ diarrheal diseases	Small Group Discussion			

Day-169	PY9.8	Visit to labour ward			ECE (Physiology)	AN28.5	Describe cervical lymph nodes and lymphatic drainage of head, face and neck	Lecture
Day-170	AN28.6	Identify superficial muscles of face, their nerve supply and actions	Lecture	AN28.2,28.3,28.8	Describe sensory innervation of face, Describe & demonstrate origin /formation, course, branches /tributaries of facial vessels, Explain surgical importance of deep facial vein	Practical, Small Group Discussion`	PY9.10	Discuss the physiological basis of various pregnancy tests **VI Obs & Gyne**	Lecture

AN26.2	Describe the features of normal frontalis, verticalis, occipitalis, lateralis and basalis	DOAP Session	PY9.9	Interpret a normal semen analysis report including (a) sperm count, (b) sperm morphology and (c) sperm motility, as per WHO guidelines and discuss the results	Small Group Discussion			
BI11.11/	Demonstrate estimation of calcium and phosphorous/ Hormone - General properties and Mechanism of Action.	Practical / tutorial		Sports/ Extarcurricular activities				

Day-171	AN28.4,28.7	Explain the anatomical basis of facial nerve palsy Classroom				ECE (Anatomy)	PY9.12	Discuss the common causes of infertility in a couple and role of IVF in managing a case of infertility. **VI Obs & Gyne**	Small Group discussion		PY 2.12/ PY10.11	Describe ESR/ MOTOR system **HI Anatomy**	DOAP	PY9.11	Discuss the hormonal changes and their effects during perimenopause and menopause **VI Obs & Gyne**	Small Group Discussion			
	competency no.	**9 AM -10 AM**	**mode**	**competency no.**	**10 AM - 12 Noon**	**mode**	**competency no.**	**12 Noon - 1 PM**	**mode**	**1 PM-2 PM**	**competency no.**	**2 PM -4 PM**	**mode**	**competency no.**	**4 PM-5 PM**	**mode**			
Day-172	PY8.6	Describe & differentiate the mechanism of action of steroid, protein and amine hormones	Lecture	BI11.12 / BI6.14	Demonstrate the estimation of serum bilirubin/ Discuss the tests that are commonly done in clinical practice to assess the functions of these organs (kidney, liver, Stomach). **VI medicine**	Practical / Gd	AN29.1,29.3	Describe & demonstrate attachments, nerve supply, relations and actions of sternocleidomastoid, Explain anatomical basis of wry neck **VI surgery**	Lecture		AN26.2	Describe the features of normal frontalis, verticalis, occipitalis, lateralis and basalis	DOAP Session		Sports/ Extarcurricular activities				

Day-173	BI6.2	Describe and discuss the Pyrimidine metabolism	Lecture	AN28.9, 28.10	Describe and demonstrate the parts borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical importance, Explain the anatomical basis of fracture	Lecture	PY8.6	Describe & differentiate the mechanism of action of steroid, protein and amine hormones	Lecture
Day-174	PY8.6	Describe & differentiate the mechanism of action of steroid, protein and amine hormones	Lecture	PY 2.12/ PY10.11	INTERPRET ESR/ MOTOR system **HI anatomy**	DOAP	AN28.9, 28.10	Describe and demonstrate the parts borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical importance, Explain the anatomical basis of fracture	Lecture

PY 2.12/ PY10.11	INTERPRET ESR/ MOTOR system **HI anatomy**	DOAP	C.M. 3.1	Demonstrate the funtioning and use of Rain gauze	DOAP			
AN26.2	Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	DOAP Session	PY9.12	Discuss the common causes of infertility in a couple and role of IVF in managing a case of infertility. **VI Obs & Gyne**	SDL			

Day-175	AN29.2,29.4	Explain anatomical basis of Erb's & Klumpke's palsy, Describe & demonstrate attachments of 1) inferior belly of omohyoid, 2)scalenus anterior, 3) scalenus medius & 4) levator scapulae **VI Surgery**	Lecture	AN28.9,28.10	Describe & demonstrate the parts, borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical importance, Explain the anatomical basis	Practical, Small Group Discussion`	PY8.2	Describe the synthesis, secretion, transport, physiological actions of anterior pituitary gland	Lecture
Day-176	BI6.13	Describe the functions of the kidney, and the tests that are commonly done in clinical practice to assess the functions of kidney. **VI Patho, medicine HI Anatomy physiology**	Lecture		Physiology FA & feedback		AN30.3,30.4	Describe & identify dural folds & dural venous sinuses, Describe clinical importance of dural venous sinuses	Lecture

BI11.12 / BI6.14	Demonstrate the estimation of serum bilirubin/ Discuss the tests that are commonly done in clinical practice to assess the functions of these organs (kidney, liver, Stomach). **VI Patho, medicin**	Practical / Gd		Sports/ Extarcurricular activities				
AN26.2, 26.3	Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis, Describe cranial cavity, its subdivisions, foramina and structures passing through them	DOAP Session	AN26.2	Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis,	SDL			

Day-177	AN30.3,30.4	Describe & identify dural folds & dural venous sinuses, Describe clinical importance of dural venous sinuses	Lecture	AN26.2, 26.3	Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis, Describe cranial cavity, its subdivisions, foramina and structures passing through them	DOAP Session	PY8.2	Describe the regulation and hypo & hypersecretion of anterior pituitary gland	Small Group discussion	PY 2.12/ PY10.11	INTERPRET ESR/ MOTOR system **HI anatomy**	DOAP		Describe the synthesis, secretion, transport, physiological actions of posterior pituitary gland	SDL			
Day-178	PY8.2	Describe the synthesis, secretion, transport, physiological actions of thyroid hormones	Lecture	BI11.8/ BI6.14	Demonstrate estimation of serum proteins/ Discuss the tests that are commonly done in clinical practice to assess the functions of these organs (thyroid and adrenal glands). **VI Patho, medicin**	Practical / GD	AN30.5	Explain effect of pituitary tumours on visual pathway **VI Ophthalmology**	Lecture	AN29.1,29.3	Describe & demonstrate attachments, nerve supply, relations and actions of sternocleidomastoid, Explain anatomical basis of wry neck	Practical		Pyrimidine metabolism	SDL			

Day-179	BI6.4	Discuss the laboratory results of analytes associated with gout & Lesch Nyhan syndrome. **VI Medicine**	Small group learning	AN26.4	Describe morphological features of mandible	DOAP Session	PY8.2	Describe the regulation & hypo & hypersecretion of thyroid hormones	Group discussion
Day-180	PY8.2	Describe the synthesis, secretion, transport, physiological actions of adrenal cortex (glucocorticoid)	Lecture	PY 2.12/ PY10.11	Describe osmotic fragility/ Reflexes **HI anatomy**	DOAP	AN31.1	Describe & identify extra ocular muscles of eyeball	Lecture
Day-181	AN31.2,31.3	Describe & demonstrate nerves and vessels in the orbit, Describe anatomical basis of Horner's syndrome	Lecture	AN30.3,30.4	Describe & identify dural folds & dural venous sinuses, Describe clinical importance of dural venous sinuses	Practical	PY8.2	Describe the synthesis, secretion, transport, physiological actions of adrenal cortex (mineralocorticoid)	Group discussion

PY 2.12/ PY10.11	Describe osmotic fragility/ Reflexes **HI anatomy**	DOAP	C.M. 3.1	Demonstrate the funtioning and use of dry and wet bulb thermometer and Barometer	DOAP			
AN30.3,30.4	Describe & identify dural folds & dural venous sinuses, Describe clinical importance of dural venous sinuses	Practical	PY8.2	Describe the regulation & hypo & hypersecretion of adrenal cortex (glucocorticoid)	Small Group Discussion			
BI11.8/ BI6.14	Demonstrate estimation of serum proteins/ Discuss the tests that are commonly done in clinical practice to assess the functions of these organs (thyroid and adrenal glands). **VI Patho, medicin**	Practical / GD		Sports/ Extarcurricular activities				

Day-182	BI6.14	Describe the functions of the liver, and the tests that are commonly done in clinical practice to assess the functions of liver.	Lecture		Biochemistry FA & feedback		AN31.4,31.5	Enumerate components of lacrimal apparatus, Explain the anatomical basis of oculomotor, trochlear and abducent nerve palsies along with strabismus **VI Ophthalmology**	Lecture
Day-183	AN32.1,32.2	Describe boundaries and subdivisions of anterior triangle, Describe & demonstrate boundaries and contents of muscular, carotid, digastric and submental triangle	Lecture	AN31.1	Describe & identify extra ocular muscles of eyeball	Practical	PY8.2	Describe the synthesis, secretion, transport, physiological actions of adrenal medulla	Lecture

AN26.5, 26.6, 26.7	Describe features of typical and atypical cervical vertebrae (atlas andaxis), Explain the concept of bones that ossify in membrane, Describe the features of the 7th cervical vertebra	DOAP session	AN26.3,26.4	Describe cranial cavity, its subdivisions, foramina and structures passing through them, Describe morphological features of mandible	SDL			
PY 2.12/ PY10.11	Interpret osmotic fragility/ Reflexes	DOAP	PY 8.2	Describe the synthesis, secretion, transport, physiological actions of adrenal sex steroids	Small Group Discussion			

Day-184	PY8.2	Describe the regulation & hypo & hypersecretion of adrenal medulla	Small group Discussion	BI11.8, BI11.22	Demonstrate estimation of serum albumin and A:G ratio	Practical	AN33.1	Describe & demonstrate extent, boundaries and contents of temporal and infratemporal fossae	Lecture	L U N C H	AN31.2,31.3	Describe & demonstrate nerves and vessels in the orbit, Describe anatomical basis of Horner's syndrome **VI Surgery**	Practical		Revision class for Nucleotides metabolism	Lecture			
Day-185	BI7.1	Describe the structure and functions of DNA and RNA and outline the cell cycle.	Lecture	AN31.2,31.3	Describe & demonstrate nerves and vessels in the orbit, Describe anatomical basis of Horner's syndrome **VI Surgery**	Practical	PY 8.1	Describe the physiology of bone and calcium metabolism	Lecture		PY 2.12/ PY10.11	Interpret osmotic fragility/ Reflexes **HI anatomy**	DOAP	C.M. 3.2	Discuss the water purification processes on Small Scale	Small Group Discussion			

Day-186	PY 8.1, 8.2	Describe the physiology of bone and calcium metabolism including Parathyroid, Calcitonin	Lecture	Module 1.4	AETCOM : The cadaver as our first teacher - closing session - reflection by students	large group discussion	AN33.2,33.4	Describe & demonstrate attachments, direction of fibres, nerve supply and actions of muscles of mastication, Explain the clinical significance of pterygoid venous plexus	Lecture	AN32.1,32.2	Describe boundaries and subdivisions of anterior triangle, Describe & demonstrate boundaries and contents of muscular, carotid, digastric and submental triangle	Practical	PY 8.1, 8.2	Describe the physiology of bone and calcium metabolism including Parathyroid, Calcitonin	Lecture	
Day-187	AN33.3,33.5	Describe & demonstrate articulating surface, type & movements of temporomandibular joint, Describe the features of dislocation of temporomandibular joint	Lecture	AN33.1	Describe & demonstrate extent, boundaries and contents of temporal and infratemporal fossae	Practical, DOAP Session	PY 8.1, 8.2	Describe the physiology of bone and calcium metabolism including Parathyroid, Calcitonin	Group discussion	BI6.4	Discuss the laboratory results of analytes associated with gout & Lesch Nyhan syndrome.				ECE (Biochemistry)	

Day-188	BI6.14	Describe the functions of the thyroid glands and adrenal glands, and the tests that are commonly done in clinical practice to assess the functions of thyroid and adrenal glands.	Lecture	PY 8.1, 8.2	Describe the physiology of bone and calcium metabolism including Parathyroid, Calcitonin	Group discussion	AN34.1,34.2	Describe & demonstrate the morphology, relations and nerve supply of submandibular salivary gland & submandibular ganglion, Describe the basis of formation of submandibular stones **VI**	Lecture	AN 27, 28, 29, 30	Scalp, Face & parotid region, Posterior triangle of neck, Cranial cavity	Lecture	AN26.5, 26.7	Describe features of typical and atypical cervical vertebrae (atlas andaxis), Describe the features of the 7th cervical vertebra	SDL			
Day-189	AN35.1,35.10	Describe the parts, extent, attachments, modifications of deep cervical fascia, Describe the fascial spaces of neck	Lecture	AN33.2,33.4	Describe & demonstrate attachments, direction of fibres, nerve supply and actions of muscles of mastication, Explain the clinical significance of pterygoid venous plexus **VI**	Practical, Small Group Discussion`	PY8.2	Describe the synthesis, secretion, transport, physiological actions pancreas (Insulin)	Lecture	PY 2.11/ PY10.11	Revision DLC/ Reflexes **HI anatomy**	DOAP	PY8.2	Describe the synthesis, secretion, transport, physiological actions, regulation pancreas (Glucagon)	SDL			

Day-190	PY8.2	Describe the physiological actions & regulation of pancreas (Insulin)	Lecture	BI11.13 / BI7.2	Demonstrate the estimation of SGOT/ SGPT/ Discuss the processes involved in prokaryotic and eukaryotic replication mechanisms and DNA Repair mechanisms.	Practical / Tutorial	AN35.2,3 5.8	Describe & demonstrate location, parts, borders, surfaces, relations & blood supply of thyroid gland, Describe the anatomically relevant clinical features of Thyroid swellings **VI Surgery**	Lecture	AN33.3,3 3.5	Describe & demonstrate articulating surface, type & movements of temporomandibular joint, Describe the features of dislocation of temporomandibular joint	Practical, Small Group Discussion`		Liver and Renal function test	SDL			
Day-191	BI7.1	Chromatin, Chromosomes, Genes, genetic code and Mutations.	Lecture	AN34.1,3 4.2	Describe & demonstrate the morphology, relations and nerve supply of submandibular salivary gland & submandibular ganglion, Describe the basis of formation of submandibular stones **VI Surgery**	Practical, Small Group Discussion`	PY8.2	Describe the effect of altered (hypo and hyper) secretion of pancreas	Small Group discussion	PY 2.11/ PY10.11	Revision DLC/ Reflexes	DOAP	C.M. 3.2	Discuss the water purification processes on Large Scale	Small Group Discussion			

Day-192		Diabetes Mellitus & complications (Hospital visit - Medicine)			ECE (Physiology)	AN35.3,35.4	Demonstrate & describe the origin, parts, course & branches subclavian artery, Describe & demonstrate origin, course, relations, tributaries and termination of internal jugular & brachiocephalic veins	Lecture
Day-193	AN35.5	Describe and demonstrate extent, drainage & applied anatomy of cervical lymph nodes **VI Surgery**	Lecture	AN35.2,35.8	Describe & demonstrate location, parts, borders, surfaces, relations & blood supply of thyroid gland, Describe the anatomically relevant clinical features of Thyroid swellings **VI Surgery**	Practical, Small Group Discussion`	PY8.4	Describe function tests: Thyroid gland; Adrenal cortex, Adrenal medulla and pancreas **HI Biochemistry (Sharing)**	Lecture

AN35.1,35.10	Describe the parts, extent, attachments, modifications of deep cervical fascia, Describe the fascial spaces of neck **VI Surgery**	Small Group Discussion`	PY8.4	Describe function tests: Thyroid gland; Adrenal cortex, Adrenal medulla and pancreas	Small Group discussion			
BI11.13 / BI7.2	Demonstrate the estimation of SGOT/ SGPT/ Discuss the processes involved in prokaryotic and eukaryotic replication mechanisms and DNA Repair mechanisms.	Practical / Tutorial		Sports/ Extarcurricular activities				

Day-194	BI6.15	Describe the abnormalities of kidney, liver, thyroid and adrenal glands. **VI Patho, medicine HI Anatomy physiology**	Small Group learning		Anatomy FA & feedback		AN35.6,35.9	Describe and demonstrate the extent, formation, relation & branches of cervical sympathetic chain , Describe the clinical features of compression of subclavian artery and lower trunk of	Lecture	AN35.2,35.8	Describe & demonstrate location, parts, borders, surfaces, relations & blood supply of thyroid gland, Describe the anatomically relevant clinical features of Thyroid swellings	Practical, Small Group Discussion`	AN27.1,27.2	Describe the layers of scalp, its blood supply, its nerve supply and surgical importance, Describe emissary veins with its role in spread of infection from extracranial route to intracranial venous	SDL			
Day-195	AN35.7	Describe the course and branches of IX, X, XI & XII nerve in the neck	Lecture	AN35.3,35.4	Demonstrate & describe the origin, parts, course & branches subclavian artery, Describe & demonstrate origin, course, relations, tributaries and termination of internal jugular & brachiocephalic veins	Practical, Small Group Discussion`	PY8.4	Describe function tests: Thyroid gland; Adrenal cortex, Adrenal medulla and pancreas **HI Biochemistry (Sharing)**	Lecture	PY 2.11/ PY10.11, 10.20	Revision DLC/ Cranial Nerves 1, 2, Tests for smell & vision **HI anatomy**	DOAP	PY8.3	Describe the physiology of Thymus & Pineal Gland	SDL			

Day-196	PY8.5	Describe the metabolic and endocrine consequences of obesity & metabolic syndrome. Outline the psychiatry component pertaining to metabolic syndrome.	Lecture	BI11.14 / BI7.2	Demonstrate the estimation of alkaline phosphatase/ Discuss the processes involved in transcription mechanisms.	Practical / tutorial	AN36.1,3 6.4	Describe the 1) morphology, relations, blood supply and applied anatomy of palatine tonsil 2) composition of soft palate, Describe the anatomical basis of tonsillitis, tonsillectomy,	Lecture		AN35.5	Describe and demonstrate extent, drainage & applied anatomy of cervical lymph nodes **VI Surgery**	DOAP Session, Small Group Discussion`		Sports/ Extarcurricular activities				
Day-197	BI6.15	Describe the abnormalities of kidney, liver, thyroid and adrenal glands. **VI Patho, medicine HI Anatomy physiology**	Small Group learning	AN35.5	Describe and demonstrate extent, drainage & applied anatomy of cervical lymph nodes **VI Surgery**	DOAP Session, Small Group Discussion`	PY8.5	Describe the metabolic and endocrine consequences of Stress response.	Lecture		PY 2.11/ PY10.11, 10.20	Revision DLC/ Cranial Nerves 1, 2, Tests for smell & vision **HI anatomy**	DOAP	C.M. 3.2	Discuss the water purification processes on Large Scale	Small Group Discussion			
	competency no.	**9 AM -10 AM**	**mode**	**competency no.**	**10 AM - 12 Noon**	**mode**	**competency no.**	**12 Noon - 1 PM**	**mode**	**1 PM-2 PM**	**competency no.**	**2 PM -4 PM**	**mode**	**competency no.**	**4 PM-5 PM**	**mode**			

Day-198		Describe the metabolic and endocrine consequences of obesity & metabolic syndrome. Outline the psychiatry component pertaining to metabolic syndrome.	Lecture	PY 2.11/ PY10.11, 10.20	Revision Hb/ Cranial Nerves 1, 2, Tests for smell & vision	DOAP	AN36.2,3 6.5	Describe the components and functions of Waldeyer's lymphatic ring, Describe the clinical significance of Killian's dehiscence **VI ENT**	Lecture		AN35.6,3 5.9	Describe and demonstrate the extent, formation, relation & branches of cervical sympathetic chain , Describe the clinical features of compression of subclavian artery and lower trunk of	DOAP Session	PY8.5	Describe the metabolic and endocrine consequences of obesity & metabolic syndrome. Outline the psychiatry component pertaining to metabolic syndrome.	Group discussion			
Day-199	AN36.1,36.4	Describe the anatomical basis of tonsillitis, tonsillectomy, adenoids and peri-tonsillar abscess Visit to Hospital - ENT				ECE (Anatomy)	PY10.2	Describe and discuss the functions and properties of synapse	Lecture		PY 2.11/ PY10.11, 10.20	Revision Hb/ Cranial Nerves 1, 2, Tests for smell & vision **HI anatomy**	DOAP	PY10.1	Describe and discuss the organization of nervous system	SDL			

Day-200	PY10.2	Describe and discuss the functions and properties of receptors	Lecture	BI11.15 / BI7.2	Describe & discuss the composition of CSF/ Discuss the processes involved in translation mechanisms.	GD/ Tutorial	AN39.1,39.2	Describe & demonstrate the morphology, nerve supply, embryological basis of nerve supply, blood supply, lymphatic drainage and actions of extrinsic and intrinsic muscles of	Lecture	AN36.1,36.4	Describe the 1) morphology, relations, blood supply and applied anatomy of palatine tonsil 2) composition of soft palate, Describe the anatomical basis of tonsillitis, tonsillectomy,	DOAP Session, Small Group Discussion`		Chromatin, Chromosomes, Genes, genetic code and Mutations.	SDL			
Day-201	BI7.2	Describe the processes involved in DNA Repair mechanisms.	Lecture	AN38.1,.2,.3	Describe the morphology identify the structures of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic muscles of the larynx, Describe the anatomical	Lecture	PY10.2	Describe and discuss the functions and properties of reflex	Lecture	PY 2.11/ PY10.11, 10.20	Revision Blood Group/ Cranial Nerves 1, 2, Tests for smell & vision **HI anatomy**	DOAP	C.M. 3.2	Discuss the surveillance of drinking water quality	SDL			

Day-202		Describe and discuss stretch reflex	Lecture	PY 2.11/ PY10.11, 10.20	Revision Blood Group/ Cranial Nerves 1, 2, Tests for smell & vision	DOAP	AN40.1	Describe & identify the parts, blood supply and nerve supply of external	Lecture
Day-203	AN40.2,40.4,40.5	Describe & demonstrate the boundaries, contents, relations and functional anatomy of middle ear and auditory tube, Explain anatomical basis of otitis externa and otitis media, Explain anatomical basis of myringotomy **VI ENT**	Lecture	AN36.3,38.1,38.2, 38.3	Describe the boundaries and clinical significance of pyriform fossa, Describe the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic	Practical, Small Group Discussion`	PY10.3	Describe and discuss somatic sensations	Lecture

AN37.2,37.3	Describe location and functional anatomy of paranasal sinuses, Describe anatomical basis of sinusitis & maxillary sinus tumours **VI ENT**	Small Group Discussion`		Describe and discuss stretch reflex	Group discussion			
BI11.15 / BI7.2	Describe & discuss the composition of CSF/ Discuss the processes involved in translation mechanisms.	GD/ Tutorial		Sports/ Extarcurricular activities				

Day-204	BI7.2	Describe the processes involved in transcription mechanisms.	Lecture		Physiology FA & feedback		AN40.3	Describe the features of internal ear **VI ENT**	Lecture
Day-205	AN41.1,41.2,41.3	Describe & demonstrate parts and layers of eyeball, Describe the anatomical aspects of cataract, glaucoma & central retinal artery occlusion, Describe the position, nerve supply and actions of intraocular muscles **VI Ophthalmology**	Lecture	AN39.1,39.2	Describe & demonstrate the morphology, nerve supply, embryological basis of nerve supply, blood supply, lymphatic drainage and actions of extrinsic and intrinsic muscles of	Practical, Small Group Discussion`	PY10.3	Describe and discuss sensory tracts	Lecture

AN43.2	Identify, describe and draw the microanatomy of pituitary gland, thyroid, parathyroid gland, tongue, salivary glands, tonsil, epiglottis, cornea, retina	Practical	AN28.9,28.10	Describe & demonstrate the parts, borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical importance, Explain the anatomical basis of	SDL			
PY 2.11/ PY10.11, 10.20	Revision BT-CT/ Cranial Nerves 1, 2, Tests for smell & vision	DOAP	PY10.2	describe & discuss the functions of synapse, reflex & receptors	small group discussion			

Day-206	PY10.3	Describe and discuss sensory tracts	Lecture	BI11.16, BI11.19	Outline the basic principles of Paper chromatography of amino acid, TLC and their application	Demo	AN42.1,43.1	Describe the contents of the vertebral canal, Describe & demonstrate the movements with muscles producing the movements of atlantooccipital joint & atlantoaxial joint	Lecture	AN40.1	Describe & identify the parts, blood supply and nerve supply of external ear. **VI ENT**	Practical, Small Group Discussion`		Sports/ Extarcurricular activities				
Day-207	BI7.2	Describe the processes involved in transcription mechanisms. **VI obs gyne, surgery patho**	Lecture	AN43.2	Identify, describe and draw the microanatomy of pituitary gland, thyroid, parathyroid gland, tongue, salivary glands, tonsil, epiglottis, cornea, retina	Practical	PY10.4	Describe & discuss the motor tracts	Lecture	PY 2.11/ PY10.11	Revision BT-CT/ Cranial Nerves 3,4,6	DOAP	C.M. 3.2	Demonstrate the Horrocks Apparatus	DOAP			

Day-208	PY10.4	Describe & discuss the motor tracts lesion	Small Group learning	PY 2.11/ PY10.11	Revision Arneth/ Cranial Nerves 3,4,6	DOAP	AN42.2,42.3	Describe & demonstrate the boundaries and contents of Suboccipital riangle, Describe the position, direction of fibres, relations, nerve supply, actions of semispinalis capitis and splenius	Lecture	L U N C H	AN40.2,40.4,40.5	Describe & demonstrate the boundaries, contents, relations and functional anatomy of middle ear and auditory tube, Explain anatomical basis of otitis externa and otitis media,	Practical, Small Group Discussion, DOAP Session	PY10.4	Describe & discuss the motor tracts lesion	Small Group discussion			
Day-209	AN43.4	Describe the development and developmental basis of congenital anomalies of face, palate, tongue, branchial apparatus, pituitary gland, thyroid gland & eye	Lecture	AN43.5	Demonstrate- 1) Testing of muscles of facial expression, extraocular muscles, muscles of mastication, 2) Palpation of carotid arteries, facial artery, superficial temporal artery, 3) Location of	Practical	PY10.4	Describe & discuss the mechanism of maintenance of tone	Lecture		BI10.1 & BI10.2	Discuss the cancer. Also focus on p53 & apoptosis. Tumor markers and the biochemical basis of cancer therapy.			ECE (Biochemistry)			

Day-210	BI7.2	Describe the processes involved in translation mechanisms. **VI Obs gyne, surgery pathology**	Lecture	C.M. 3.4, C.M. 3.5	Describe the concept of human excreta disposal, Describe the standards of housing and the effect of housing on health	Lecture	AN43.4	Describe the development and developmental basis of congenital anomalies of face, palate, tongue, branchial apparatus, pituitary gland, thyroid gland & eye	Lecture	AN43.3	Identify, describe and draw microanatomy of olfactory epithelium, eyelid, lip, sclero-corneal junction, optic nerve, cochlea-organ of corti, pineal gland	Practical	AN30.2,30.3	Describe & identify major foramena with structures passing through them, Describe & identify dural folds & dural venous sinuses, Describe clinical importance of dural venous sinuses	SDL			
Day-211	PY10.4	Describe & discuss the mechanism of body vestibular apparatus & equilibrium	Lecture	BI11.16, BI11.19/ BI6.10	Outline the basic principles of Protein electrophoresis, PAGE and their application/ Enumerate and describe the disorders associated with mineral metabolism. **VI Medicine**	Demo/ Small Group Discussion	AN43.4	Describe the development and developmental basis of congenital anomalies of face, palate, tongue, branchial apparatus, pituitary gland, thyroid gland & eye	Lecture	AN43.6	Demonstrate surface projection of- Thyroid gland, Parotid gland and duct, Pterion, Common carotid artery, Internal jugular vein, Subclavian vein, External jugular vein, Facial artery in the face &	Practical		Sports/ Extarcurricular activities				

Day-212	BI7.2	Describe the processes involved in translation mechanisms.	Lecture	AN 36, 37, 38, 39, 40	Mouth, Pharynx & Palate, Cavity of Nose, Larynx, Tongue, Organs of hearing and equilibrium	Practical	PY10.4	Describe & discuss the mechanism of body vestibular apparatus & equilibrium	Lecture
Day-213	PY10.5	Describe and discuss structure and functions of reticular activating system	Lecture	PY 2.11/ PY10.11	Revision Arneth/ Cranial Nerves 5,7	DOAP	AN56.1	Describe & identify various layers of meninges with its extent & modifications **VI medicine**	Lecture
Day-214	AN56.2	Describe circulation of CSF with its applied anatomy **VI Physiology**	Lecture	AN56.2	Describe circulation of CSF with its applied anatomy	Smallgroup discussion	PY10.5	Describe and discuss structure and functions of autonomic nervous system (ANS)	Lecture

PY 2.11/ PY10.11	Revision Arneth/ Cranial Nerves 5,7	DOAP	C.M. 3.2	Demonstrate the OT and OTA test	DOAP			
AN56.1	Describe & identify various layers of meninges with its extent & modifications	DOAP Session	PY10.4	Describe & discuss the mechanism of body vestibular apparatus & equilibrium	Group discussion			
BI11.16, BI11.19/ BI6.10	Outline the basic principles of Protein electrophoresis, PAGE and their application/ Enumerate and describe the disorders associated with mineral metabolism. **VI medicne**	Demo/ Small Group discussion		Sports/ Extarcurricular activities				

Day-215	BI7.3	Describe gene mutations and basic mechanism of regulation of gene expression. **VI pediatrics**	Lecture		Anatomy FA & feedback		AN57.1,57.2	Identify external features of spinal cord, Describe extent of spinal cord in child & adult with its clinical implication	Lecture
Day-216	AN57.3	Draw & label transverse section of spinal cord at mid-cervical & midthoraciclevel	Lecture	AN57.1,57.2	Identify external features of spinal cord, Describe extent of spinal cord in child & adult with its clinical implication	Smallgroup discussion	PY10.5	Describe and discuss structure and functions of autonomic nervous system (ANS)	Lecture
Day-217	PY10.6	Describe and discuss Spinal cord	Lecture	BI11.18 / BI8.3	Discuss the principles of spectrophotometry/ Provide dietary advice for optimal health in childhood and adult, in disease conditions like diabetes mellitus, coronary artery disease and in pregnanc	Demo/ tutorial	AN57.4	Enumerate ascending & descending tracts at mid thoracic level of spinal cord **VI Medicine HI Physiology**	Lecture

AN57.1,57.2	Identify external features of spinal cord, Describe extent of spinal cord in child & adult with its clinical implication	DOAP Session	AN35.1,	Describe the parts, extent, attachments, modifications of deep cervical fascial	SDL			
PY 2.11/ PY10.11	Revision Arneth/ Cranial Nerves 5,7 **HI anatomy**	DOAP	PY10.4	Describe & discuss the motor tracts	Group discussion & Revision			
AN57.3	Draw & label transverse section of spinal cord at mid-cervical & midthoraciclevel	Smallgroup discussion		Gene expression	SDL			

Day-218	BI7.3	Describe the basic mechanism of regulation of gene expression. **HI pediatrics**	Lecture	AN57.4	Enumerate ascending & descending tracts at mid thoracic level of spinal cord **VI Medicine HI Physiology**	Smallgroup teaching	PY10.6	Describe and discuss functions of Spinal cord	GD		PY 2.11/ PY10.11	Revision RBC/ Cranial Nerves 5,7	DOAP	C.M. 3.1	Assessment				
Day-219	PY10.6	Describe and discuss Spinal cord lesion & sensory disturbances	Group discussion	PY 2.11/ PY10.11, 10.20	Revision RBC/ Cranial Nerves 8 **HI anatomy**	DOAP	AN57.5	Describe anatomical basis of syringomyelia	Lecture		AN57.5	Describe anatomical basis of syringomyelia **VI Medicine HI Physiology**	Smallgroup discussion	PY10.6	Describe and discuss Spinal cord lesion & sensory disturbances	Small Group Discussion			
Day-220	AN58.1,58.2	Identify external features of medulla oblongata, Describe transverse section of medulla oblongata at the level of 1) pyramidal decussation, 2) sensory decussation 3) ION	Lecture	AN58.1,58.2	Identify external features of medulla oblongata, Describe transverse section of medulla oblongata at the level of 1) pyramidal decussation, 2) sensory decussation 3) ION	Practical, DOAP Session	PY10.7	Describe and discuss functions of cerebral cortex **VI Psychiatry HI Anatomy**	Lecture		BI11.18 / BI8.3	Discuss the principles of spectrophotometry/ Provide dietary advice for optimal health in childhood and adult, in disease conditions like diabetes mellitus, coronary artery disease and in pregnanc	Demo/ tutorial		Sports/ Extarcurricular activities				

	competency no.	9 AM -10 AM	mode	competency no.	10 AM - 12 Noon	mode	competency no.	12 Noon - 1 PM	mode	1 PM-2 PM	competency no.	2 PM -4 PM	mode	competency no.	4 PM-5 PM	mode			
Day-221	BI7.4	Describe the basic mechanism of regulation of gene expression. **HI pediatrics**	Lecture	PY10.6	Describe and discuss Spinal cord lesion & sensory disturbances	Group discussion	AN58.3,58.4	Enumerate cranial nerve nuclei in medulla oblongata with their functional group, Describe anatomical basis & effects of medial & lateral medullary syndrome **HI Physiology**	Lecture		AN58.3,58.4	Enumerate cranial nerve nuclei in medulla oblongata with their functional group, Describe anatomical basis & effects of medial & lateral medullary syndrome **VI Medicine** **HI Physiolo**	Smallgroup teaching	AN35.2	Describe & demonstrate location, parts, borders, surfaces, relations & blood supply of thyroid gland,	SDL			
Day-222	AN59.1,59.2,59.3	Identify external features of pons, Draw & label transverse section of pons at the upper and lower level, Enumerate cranial nerve nuclei in pons with their functional group **HI Physiology**	Lecture	AN58.3,58.4	Enumerate cranial nerve nuclei in medulla oblongata with their functional group, Describe anatomical basis & effects of medial & lateral medullary syndrome	Smallgroup teaching	PY10.7	Describe and discuss functions of thalamus VI Psychiatry **HI Anatomy**	Lecture		PY 2.11/ PY10.11, 10.20	Revision RBC/ Cranial Nerves 8 **HI Anatomy**	DOAP	PY10.7	Describe and discuss thalamus abnormalities	SDL			

Day-223	PY10.7	Describe and discuss functions of hypothalamus and its abnormalities **VI Psychiatry HI Anatomy**	Lecture	BI11.16, BI11.19/ BI8.4	Outline the Principles of ELISA, Immuno diffusion and their application/ Discuss the causes (including dietary habits), effects and health risks associated with being overweight/ obesity.	Demo/ GD	AN60.1	Describe & demonstrate external & internal features of cerebellum	Lecture	AN59.1,59.2,59.3	Identify external features of pons, Draw & label transverse section of pons at the upper and lower level, Enumerate cranial nerve nuclei in pons with their functional group **HI Physiology**	Practical, DOAP Session		Recombinant DNA technology, PCR and Blotting techniques	SDL			
Day-224	AN61.1,61.2,61.3	Identify external & internal features of midbrain, Describe internal features of midbrain at the level of superior & inferior colliculus, Describe anatomical basis & effects of Benedikt's and Weber's syndrome	Lecture	AN61.1,61.2,61.3	Identify external & internal features of midbrain, Describe internal features of midbrain at the level of superior & inferior colliculus, Describe anatomical basis & effects of Benedikt's and	Smallgroup discussion, Practical	PY10.7	Describe and discuss functions of basal ganglia	Lecture	BI11.16, BI11.19/ BI8.4	Outline the Principles of ELISA, Immuno diffusion and their application/ Discuss the causes (including dietary habits), effects and health risks associated with being overweight/ obesity.	Demo/ GD		Sports/ Extarcurricular activities				

Day-225	BI10.1 & BI10.2	Describe the cancer initiation, promotion oncogenes & oncogene activation. Also focus on p53 & apoptosis. And Describe various biochemical tumor markers and the biochemical basis of cancer therapy. **VI obs gyne, surgery, pathology**	Lecture		Biochemistry FA & feedback		AN62.1	Enumerate cranial nerve nuclei with its functional component **VI Medicine HI Physiology**	Lecture
Day-226	AN62.2	Describe & demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere **VI Medicine HI Physiology**	Lecture	AN62.2	Describe & demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere **VI Medicine HI Physiology**	Smallgroup discussion, Practical	PY10.7	Describe and discuss functions of basal ganglia	Lecture
Day-227	PY10.7	Describe and discuss functions of basal ganglia & its abnormalities	Group discussion	BI11.16, BI11.19/ BI9.1	Electrolyte analysis by ISE and ABG analyzer/ List the functions and components of the extracellular matrix (ECM).	Demo/ tutorial	AN62.3	Describe the white matter of cerebrum	Lecture

AN62.1	Enumerate cranial nerve nuclei with its functional component	Smallgroup teaching	AN56.2	Describe circulation of CSF with its applied anatomy	SDL			
PY 2.11/ PY10.11, 10.20	Revision RBC/ Cranial Nerves 8	DOAP	PY10.7	Describe and discuss functions of hypothalamus and its abnormalities	SDL			
AN62.2	Describe & demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere	Smallgroup discussion, Practical, DOAP Session		Sports/ Extarcurricular activities				

Day-228	BI6.5	Describe the biochemical role of fat soluble vitamins in the body and explain the manifestations of their deficiency **VI medicine**	Lecture	AN62.3	Describe the white matter of cerebrum	Smallgroup teaching	PY10.7	Describe and discuss functions of cerebellum	Lecture
Day-229	PY10.7	Describe and discuss functions of cerebellum	Lecture	PY 2.11/ PY10.11	Revision TLC/ Cranial Nerves 9,10,11, 12	DOAP	AN62.4	Enumerate parts & major connections of basal ganglia & limbic lobe	Lecture
Day-230	AN62.5	Describe boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus **VI Medicine HI Physiology**	Lecture	AN62.5	Describe boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus	Smallgroup teaching	PY10.7	Describe and discuss functions of cerebellum & its abnormalities	Small Group Discussion

PY 2.11/ PY10.11	Revision TLC/ Cranial Nerves 9,10,11, 12	DOAP	C.M. 3.4	Discuss the various methods of solid waste disposal	Small Group Discussion			
AN62.4	Enumerate parts & major connections of basal ganglia & limbic lobe **HI Physiology**	Smallgroup teaching	PY10.7	Describe and discuss functions of cerebellum	Group discussion			
BI11.16, BI11.19/ BI9.1	Electrolyte analysis by ISE and ABG analyzer/ List the functions and components of the extracellular matrix (ECM).	Demo/ tutorial		Sports/ Extarcurricular activities				

Day-231	BI7.6	Describe the free radicals and anti-oxidant defence systems in the body.	Lecture	PY 10.6	Functions of hypothalamus	Small Group discussion	AN62.6	Describe & identify formation, branches & major areas of distribution of circle of Willis	Lecture	L U N C H	AN62.6	Describe & identify formation, branches & major areas of distribution of circle of Willis	Smallgroup discussion, Practical, DOAP Session	AN57.4, 57.5	Enumerate ascending & descending tracts at mid thoracic level of spinal cord, Describe anatomical basis of syringomyelia	SDL			
Day-232	AN63.1	Describe & demonstrate parts, boundaries & features of IIIrd, IVth & lateral ventricle **HI Physiology**	Lecture	AN63.1	Describe & demonstrate parts, boundaries & features of IIIrd, IVth & lateral ventricle **HI Physiology**	Smallgroup discussion, Practical, DOAP Session	PY10.7	Describe and discuss functions of limbic system and their abnormalities	Lecture		PY 2.11/ PY10.11	Revision TLC/ Cranial Nerves 9,10,11, 12	DOAP	PY10.7	Describe & discuss the functions of basal ganglia & cerebellum	Group discussion			
Day-233	PY10.12	Identify normal EEG forms **VI Psychiatry**	Group Teaching	BI11.16, BI11.19/	DNA isolation from blood/ tissue	Demo	AN63.1	Describe & demonstrate parts, boundaries & features of IIIrd, IVth & lateral ventricle **HI Physiology**	Lecture		AN63.1	Describe & demonstrate parts, boundaries & features of IIIrd, IVth & lateral ventricle	Smallgroup discussion, Practical, DOAP Session		Sports/ Extarcurricular activities				

Day-234	BI6.5	Describe the biochemical role of fat soluble vitamins in the body and explain the manifestations of their deficiency **VI medicine**	Lecture	AN63.2	Describe anatomical basis of congenital hydrocephalus **VI pediatrics** **HI Physiology**	Smallgroup teaching	PY10.8	Describe and discuss behavioural and EEG characteristics during sleep **VI Psychiatry**	Lecture
Day-235	AN64.1	Describe & identify the microanatomical features of Spinal cord, Cerebellum & Cerebrum	Lecture	AN64.2	Describe the development of neural tube, spinal cord, medulla oblongata pons, midbrain, cerebral hemisphere & cerebellum	Smallgroup teaching	PY10.8	Describe and discuss behavioural and EEG characteristics during sleep and mechanism responsible for its production	Lecture

PY 2.11/ PY10.11	Revision TLC/ Cranial Nerves 9,10,11, 12 **HI Anatomy**	DOAP	C.M. 3.2-3.3	Assessment				
BI9.2	Discuss the involvement of ECM components in health and disease. **VI Medicine**				ECE (Biochemistry)			

Day-236	BI7.5	Describe the role of xenobiotics in disease	Lecture	PY10.9	Describe and discuss the physiological basis of memory, learning **VI Psychiatry**	Lecture	AN64.2	Describe the development of neural tube, spinal cord, medulla oblongata pons, midbrain, cerebral hemisphere & cerebellum	Lecture
Day-237	AN64.3	Describe various types of open neural tube defects with its embryological basis Classroom				ECE (Anatomy)	PY10.9	Describe and discuss the physiological basis of speech	Lecture

AN64.3	Describe various types of open neural tube defects with its embryological basis **VI Obs & Gyne**	Smallgroup teaching	AN58.1,58.2	Identify external features of medulla oblongata, Describe transverse section of medulla oblongata at the level of 1) pyramidal decussation, 2) sensory decussation 3) ION	SDL			
PY 2.11/ PY10.11	Revision TLC/ Cranial Nerves 9,10,11, 12 **HI Anatomy**	DOAP	PY10.9	Describe and discuss the physiological basis of memory, learning	Small Group Discussion			

Day-238	PY10.9	Describe and discuss the physiological basis of speech & aphasia **VI Medicine ENT**	Small group discussion	BI11.16/ BI9.3	Quality control/ Describe protein targeting & sorting along with its associated disorders.	Demo/ small group discussion	AN15.1	Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh	Lecture
Day-239	BI6.5	Describe the biochemical role of water soluble vitamins in the body and explain the manifestations of their deficiency **VI medicine**	Lecture	AN 14.1	Identify the given bone, its side, important features & keep it in anatomic alpositio n	Small Group Teaching , DOAP Session	PY10.11	Describe and discuss chemical transmission in the nervous system. (Outline the psychiatry element).	Lecture
Day-240	PY10.7	Cerebellar dysfunction & Parkinson's disease Classroom				ECE (Physiology)	AN63.2	Describe anatomical basis of congenital hydrocephalus	Lecture

AN 14.1	Identify the given bone, its side, important features & keep it in anatomic alpositio n	Small Group Teaching , DOAP Session		free radicals, antioxidant and metabolism of xenobiotics	SDL			
2.11,5.12	DLC/ Pulse/ Blood pressure	Practical revision	C.M. 3.4	Discuss the methods of safe disposal of human excreta	Self directed learning			
AN64.1	Describe & identify the microanatomical features of Spinal cord, Cerebellum & Cerebrum	Practical	PY10.12	EEG	Small Group Discussion			

Day-241	AN15.3,15.4	Describe and demonstrate boundaries, floor, roof and contents of femoral triangle, Explain anatomical basis of Psoas abscess & Femoral hernia **VI Surgery**	Lecture	AN15.1, 15.2	Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh, Describe and demonstrate major	DOAP Session, Practical	PY10.13	Describe and discuss perception of taste sensation	Lecture		BI11.16/ BI9.3	Quality control/ Describe protein targeting & sorting along with its associated disorders.	Small group discusion/ demo		Sports/ Extarcurricular activities				
Day-242	BI7.7	Describe the role of oxidative stress in the pathogenesis of conditions such as cancer, complications of diabetes mellitus and atherosclerosis. **VI Medicine patho**	Small group discussion		Anatomy FA & feedback		AN15.3,15.4	Describe and demonstrate boundaries, floor, roof and contents of femoral triangle, Explain anatomical basis of Psoas abscess & Femoral hernia **VI Surgery**	Lecture		AN15.3,15.4,15.5	Describe and demonstrate boundaries, floor, roof and contents of femoral triangle, Explain anatomical basis of Psoas abscess & Femoral hernia, Describe and demonstrate adductor canal with its	Practical, Small Group Discussion	AN58.3,5 8.4	Enumerate cranial nerve nuclei in medulla oblongata with their functional group, Describe anatomical basis & effects of medial & lateral medullary syndrome	SDL			

Day-243	AN15.5	Describe and demonstrate adductor canal with its content	Lecture	AN 14.1	Identify the given bone, its side, important features & keep it in anatomic alpositio n	Small Group Teaching , DOAP Session	PY10.14	Describe and discuss patho-physiolo gy of altered smell and taste sensatio n VI ENT	Small group discussio n		2.11,5.1 3	RBC/ ECG	Practical revision	PY10.13	Describe and discuss functio al anatomy of ear	SDL			
	competency no.	**9 AM -10 AM**	**mode**	**competency no.**	**10 AM - 12 Noon**	**mode**	**competency no.**	**12 Noon - 1 PM**	**mode**	**1 PM-2 PM**	**competency no.**	**2 PM -4 PM**	**mode**	**competency no.**	**4 PM-5 PM**	**mode**			
Day-244	PY10.15	Describe and discuss auditory pathways VI ENT	Lecture	BI11.23 / BI11.17	Calculate energy content of different food Items, identify food items with high and low glycemic index and explain the importan ce of these in the diet / Explain the basis and rationale of	Tutorial/ small group discussio n	AN16.1,1 6.2,16.3	Describe and demonst rate origin, course, relations , branches (or tributari es), terminati on of importan t nerves and vessels of gluteal region, Describe anatomic al basis o, Explain	Lecture		AN16.1,1 6.2,16.3	Describe and demonst rate origin, course, relations , branches (or tributari es), terminati on of importan t nerves and vessels of gluteal region, Describe anatomic al basis o, Explain	Practical, Small Group Discussio n	BI6.10	Enumera te and describe the disorder s associate d with mineral metaboli sm.	Lecture			

Day-245	BI6.5	Describe the biochemical role of water soluble vitamins in the body and explain the manifestations of their deficiency **VI medicne**	Lecture	AN16.4,16.5	Describe and demonstrate the hamstrings group of muscles with their attachment, nerve supply and actions, Describe and demonstrate the origin, course, relations, branches (or	Practical, Small Group Discussion	PY10.15	Describe and discuss of physiology of hearing	Lecture
Day-246	PY10.15	Describe and discuss physiology of hearing	Lecture	PY11.3	Describe and discuss mechanism of fever, cold injuries and heat stroke	Lecture	AN16.4,16.5	Describe and demonstrate the hamstrings group of muscles with their attachment, nerve supply and actions, Describe and demonstrate the origin, course, relations, branches (or	Lecture

2.11,5.13	RBC/ ECG	Practical revision	C.M. 3.5	Discuss the standards of housing	Small Group Discussion			
AN16.6	Describe and demonstrate the boundaries, roof, floor, contents and relations of popliteal fossa	Practical, Small Group Discussion	PY10.15	Describe and discuss physiology of hearing	Group discussion			

Day-247	AN16.6	Describe and demonstrate the boundaries, roof, floor, contents and relations of popliteal fossa	Lecture	AN16.1,16.2,16.3	Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of gluteal region, Describe anatomical basis, Explain the	Lecture	PY10.15	Describe and discuss physiology of hearing	Lecture	BI11.23 / BI11.17	Calculate energy content of different food Items, identify food items with high and low glycemic index and explain the importance of these in the diet / Explain the basis and rationale of	Tutorial/ GD		Sports/ Extarcurricular activities				
Day-248	BI6.9	Describe the functions of various minerals in the body, their metabolism and homeostasis.	Lecture		Physiology FA & feedback		AN17.1,17.2,17.3	Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the hip joint	Lecture	AN 71 , 72	Bone & Cartilage, Integumentary System	Practical, Small Group Discussion	AN62.6	Describe & identify formation, branches & major areas of distribution of circle of Willis	SDL			

Day-249	AN18.1	Describe and demonstrate major muscles of anterolateral compartment of leg with their attachment, nerve supply and actions	Lecture	AN18.1	Describe and demonstrate major muscles of anterolateral compartment of leg with their attachment, nerve supply and actions	Practical, Small Group Discussion	PY10.16	Describe and discuss pathophysiology of deafness. Describe hearing tests **VI ENT**	Small group discussion
Day-250	PY10.17	Describe and discuss physiology of image formation, physiology of vision **VI Ophthalmology**	Lecture	BI11.24 / BI11.17	Enumerate advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food./ Explain the basis and rationale of biochemical tests done in the following conditio	GD/ Tutorial	AN18.2,18.3	Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior compartment of leg, Explain the anatomical basis	Lecture

2.11,5.15	RBC/ Clinical examination of CVS	Practical revision	PY10.17	Describe and discuss functional anatomy of eye	SDL			
AN18.2,18.3	Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior compartment of leg, Explain the anatomical basis	Practical, Small Group Discussion	BI11.17	Explain the basis and rationale of biochemical tests done in the following conditions:- disorders of acid-base balance	SDL			

Day-251	BI8.1	Discuss the importance of various dietary components and explain importance of dietary fibre.	Lecture	AN18.2,18.3	Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior compartment of leg, Explain the anatomical basis	Practical, Small Group Discussion	PY10.17	Describe and discuss physiology of image formation, physiology of vision	Lecture		PY11.7	Describe and discuss physiology of free radicals and antioxidants	Group discussion	C.M. 3.5	Discuss the effect of housing on health	Small Group Discussion			
Day-252	PY10.17	Describe and discuss functional anatomy of eye, physiology of physiology of vision including colour vision	Lecture	PY11.4	Describe and discuss metabolic adjustments during exercise; physical training effects	Lecture	AN18.4	Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the knee joint	Lecture	L U N C H	AN 14.1	Identify the given bone, its side, important features & keep it in anatomical position	Small Group Teaching, DOAP Session	PY10.17	Describe and discuss functional anatomy of eye, physiology of physiology of vision including colour vision	Small Group Discussion			

Day-253	AN18.6,18.7	Describe knee joint injuries with its applied anatomy, Explain anatomical basis of Osteoarthritis **VI Ortho**	Lecture	AN18.4	Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the knee joint	Small Group Teaching	PY10.17	Describe and discuss physiology of pupil and light reflex	Lecture
Day-254	BI6.9	Describe the functions of various minerals in the body, their metabolism and homeostasis.	Lecture		Biochemistry FA & feedback		AN19.1,19.4	Describe & Demonstratethe major muscles of back of leg with their attachment, nerve supply and actions, Explain the anatomical basis of rupture of calcaneal tendon **VI**	Lecture

BI11.24 / BI11.17	Enumerate advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food./ Explain the basis and rationale of biochemical tests done in the following conditio	GD/ Tutorial		Sports/ Extarcurricular activities				
AN18.5, 18.6,18.7	Explain the anatomical basis of locking and unlocking of the knee joint, Describe knee joint injuries with its applied anatomy, Explain anatomical basis of Osteoarthritis	Small Group Teaching	AN20.3	Describe and demonstrate Fascia lata, Venous drainage, Lymphatic drainage, Retinacula & Dermatomes of lower limb	SDL			

Day-255	AN19.2,19.3	Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of leg, Explain the concept of “Peripheral heart”	Lecture	AN19.1,19.4	achment, nerve supply and actions, Explain the anatomical basis of rupture of calcaneal tendon	Practical	PY10.17	Describe and discuss refractive errors, colour blindness	Small group discussion
Day-256	PY10.18	Describe and discuss the physiological basis of lesion in visual pathway **VI Ophthalmology**	Small group discussion	BI6.14 / BI11.17	Pancreatic function tests/ Explain the basis and rationale of biochemical tests done in the following conditions:- liver diseases- jaundice, fatty liver, etc.	Tutorial	AN19.5,19.6,19.7	Describe factors maintaining importance arches of the foot with its importance, Explain the anatomical basis of Flat foot & Club foot, Explain the anatomical basis of Metatarsalgia &	Lecture

PY11.8	Discuss & compare cardio-respiratory changes in exercise (isometric and isotonic) with that in the resting state and under different environmental conditions (heat and cold)	Group discussion	PY10.17	Describe and discuss physiology of image formation, physiology of vision	SDL			
AN19.2,19.3	Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of leg, Explain the concept of “Peripheral heart”	Practical, Small Group Teaching	BI8.5	Summarize the nutritional importance of commonly used items of food including fruits and vegetables.(macro-molecules & its importance) **VI community medicine, Medicin**	Lecture			

Day-257	BI8.2	Describe the types and causes of protein energy malnutrition and its effects.	Lecture	AN18.5, 18.6,18.7	Explain the anatomical basis of locking and unlocking of the knee joint, Describe knee joint injuries with its applied anatomy , Explain anatomical basis of Osteoarthritis	Small Group Teaching	PY10.19	Describe and discuss auditory & visual evoke potentials **VI Ophthalmology**	Lecture
Day-258	PY11.1	Describe and discuss mechanism of temperature regulation	Lecture	PY11.6 PY11.10	Describe physiology of Infancy and Interpret anthropometric assessment of infants VI Pediatrics	Lecture	AN20.1	Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply of tibiofibular and ankle joint	Lecture

PY11.12	Discuss the physiological effects of meditation	Small Group Discussion	C.M. 3.5	Define and Discuss the criterias of overcrowding and its effect of health	Self directed learning			
AN20.5	Explain anatomical basis of varicose veins and deep vein thrombosis **VI Surgery**	Small Group Discussion	PY11.1	Describe and discuss mechanism of temperature regulation	Group discussion			

Day-259	AN20.2	Describe the subtalar and transverse tarsal joints	Lecture	AN20.9	Identify & demonstrate Palpation of vessels (femoral, popliteal ,dorsalis pedis,post tibial), Mid inguinal point, Surface projection of: femoral nerve, Saphenous opening, nerve, Great and small	Lecture	PY11.2	Describe and discuss adaptation to altered temperature (heat and cold)	Lecture		BI6.14	Pancreatic function tests	Tutorial		Sports/ Extarcurricular activities				
Day-260	**2nd Terminal Examinations**																	
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Day-273																		

Day-274			

Teaching Hours of Phase I subjects:

Subject	Lectures (Hours)	Small Group teaching/Tutorial/ Integrated learning/ Practical (hours)	SDL (Hours)	Total Hours
Foundation Course				175
Anatomy	222	426	40	688
Physiology	162	312	25	499
Biochemistry	81	152	20	253
ECE	30	30	30	90
Community Medicine	20	30	5	55
AETCOM		26	8	34
Sports/Extracurricular Activities				54
Formative assessment & feedback (66 hrs) + term assessment (63 hrs)				96
Total				1769 (excluding 175 hours of foundation course)