

Number	COMPETENCY The student should be able to	Domain K/S/A/()	Level K/KH/ SH/P	Core (Y/N)	teaching-Learning Metho	Assessment Methods	Number required to certify P	Vertical Integration	Horizontal Integration
AN1.1	Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body.	K/S	SH	Y	Lecture/ DOAP	Written/ Viva voce/			
					session	skill assessment			
AN 1.1A	At the end of the session phase 1 student must be able to describe normal anatomical positions in our body correctly	K	K	Y	Lecture	Written			
AN 1.1B	At the end of the session of phase 1 student must be able to demonstrate normal anatomical positions in our body accurately	S	SH	Y	DOAP session	viva voce			
AN1.1C	At the end of the session phase 1 student must be able to define various anatomical planes in our body correctly	K	K	Y	Lecture	Written			
AN1.1D	At the end of the session phase 1 student must be able to demonstrate various anatomical planes in our body accurately	S	SH	Y	DOAP session	viva voce			
AN1.1E	At the end of the session phase 1 student must be able to enumerate various movements in our body correctly	K	K	Y	Lecture	Written			
AN1.1F	At the end of the session phase 1 student must be able to demonstrate movements in our body correctly	S	SH	Y	DOAP session	skill assessment			
AN1.2	Describe composition of bone and bone marrow	K	KH	Y	Lecture	Written/ Viva voce/			
AN1.2A	At the end of the session phase 1 student must be able to describe composition of bone correctly	K	K	Y	Lecture	Written			
AN1.2B	At the end of the session phase 1 student must be able to describe composition of bone marrow correctly	K	KH	Y	Lecture	Written			
AN 2.1	Describe parts,blood and nerve supply of long bone	K	KH	Y	Lecture, DOAP session	Written/ Viva voce			
AN2.1A	At the end of the session phase 1 student must be able to describe parts of long bone Correctly	K	K	Y	Lecture	Written		-	-
AN2.1B	At the end of the session phase 1 student must be able to describe blood supply of long bone Correctly	K	K	Y	Lecture	Written			
AN2.1C	At the end of the session phase 1 student must be able to describe nerve supply of long bone Correctly	K	KH	Y	Lecture	Written			
AN 2.2	Enumerate laws of ossification	K	KH	N	Lecture	Written			
AN2.2A	At the end of the session phase 1 student should be able to Enumerate laws of ossification Correctly	K	K	N	Lecture	Written			
AN2.2B	At the end of the session phase 1 student should be able to discuss the laws of ossification accurately	K	KH	N	Lecture	written			
AN 2.3	Enumerate special features of a sesamoid bone	K	KH	N	Lecture	Written			

AN2.3A	At the end of the session phase 1 student should be able to define the sesamoid bone correctly	K	K	N	Lecture	Written			
AN2.3B	At the end of the session phase 1 student should be able to enumerate the special features of sesamoid bone accurately	K	KH	N	Lecture	Written		-	-
AN 2.4	Describe various types of cartilage with its structure & distribution in body	K	KH	Y	Lecture	Written/ Viva voce	-	ORTHO PAEDICS	-
AN2.4A	At the end of the session phase 1 student must be able to enumerate types of cartilages correctly	K	K	Y	Lecture	Written			-
AN2.4B	At the end of the session phase 1 student must be able to describe structure of cartilage correctly	K	K	Y	Lecture	Written			
AN2.4C	At the end of the session phase 1 student must be able to explain distribution of cartilage in body accurately	K	KH	Y	Lecture	Written			
AN.2.5	Describe various joints with subtypes and examples	K	KH	Y	Lecture	Written/ Viva voce		ORTHO PAEDICS	
AN2.5A	At the end of the session phase 1 student must be able to enumerate the various types of joints correctly	K	K	Y	Lecture	Written			
AN2.5B	At the end of the session phase 1 student must be able to describe various types joints correctly	K	K	Y	Lecture	Written			
AN2.5C	At the end of the session phase 1 student must be able to describe subtypes of joints correctly	K	KH	Y	Lecture	Written			
AN2.5D	At the end of the session phase 1 student must be able to explain the examples of various joints accurately	K	KH	Y	Lecture	Written			
AN 2.6	Explain the concept of nerve supply of joints & Hilton's law	K	KH	Y	Lecture	Written/VIVA VOCE			
AN2.6A	At the end of the session phase 1 student must be able to explain the concept of nerve supply of joints correctly	K	K	Y	Lecture	Written			
AN2.6B	At the end of the session phase 1 student must be able to describe the hilton's law accurately	K	KH	Y	Lecture	Written			
AN 3.1	Classify muscle tissue according to structure & action	K	KH	Y	Lecture	Written/VIVA VOCE	-	-	PHYSIOLOGY
AN3.1A	At the end of the session phase 1 student must be able to enumerate the classification of muscles tissue correctly	K	K	Y	Lecture	Written		-	
AN3.1B	At the end of the session phase 1 student must be able to explain the classification of muscles tissue according to structure correctly	K	K	Y	Lecture	Written		-	
AN3.1C	At the end of the session phase 1 student must be able to describe the classification of muscles tissue according to action correctly	K	KH	Y	Lecture	Written		-	Physiology

AN 3.2	Enumerate parts of skeletal muscle and differentiate between tendons and aponeuroses with examples	K	KH	Y	Lecture	Written/VIVA VOCE			
AN3.2A	At the end of the session phase 1 student must be able to enumerate parts of skeletal muscle correctly	K	K	Y	Lecture	Written			
AN3.2B	At the end of the session phase 1 student must be able to differentiate between tendons and aponeuroses correctly	K	K	Y	Lecture	Written			
AN3.2C	At the end of the session phase 1 student must be able to describe the example of skeletal muscle correctly.	K	KH	Y	Lecture	Written			
AN 3.3	Explain Shunt and spurt muscles	K	KH	N	Lecture	Written			
AN3.3A	At the end of the session phase 1 student should be able to explain shunt muscles correctly.	K	K	N	Lecture	Written			
AN3.3B	At the end of the session phase 1 student should be able to describe spurt muscles accurately.	K	KH	N	Lecture	Written			
AN 4.1	Describe different types of skin & dermatomes in body	K	KH	N	Lecture/DOAP session	Written/vovavoc e			
AN4.1A	At the end of the session phase 1 student must be able to enumerate the different types of skin correctly	K	K	N	Lecture	Written			
AN4.1B	At the end of the session phase 1 student must be able to describe drmatomes of skin Accurately	K	KH	N	Lecture	Written		-	-
AN .4.2	Describe structure & function of skin with its appendages	K	KH	Y	Lecture/DOAP Session	Written/Vova voce	-	Dermatolog y/Venereology &leprosv	-
AN4.2A	At the end of the session phase 1 student must be able to describe structure of skin correctly.	K	K	Y	Lecture	Written			
AN 4.2B	At the end of the session phase 1 student must be able to describe function of skin correctly .	K	K	Y	Lecture	Written			
AN 4.2C	At the end of the session phase 1 student must be able to describe appendages of skin correctly .	K	KH	Y	Lecture	Written			
AN 4.3	Describe superficial fascia along with fat distribution in body.	K	KH	Y	Lecture/DOAP Session	Written/Vova voce			
AN4.3A	At the end of the session phase 1 student must be able to describe superficial fascia in body correctly	K	K	Y	Lecture	Written			
AN4.3B	At the end of the session phase 1 student must be able to describe with fat distribution in body along superficial fascia Correctly	K	KH	Y	Lecture	Written			
AN 4.4	Describe modifications of deep fascia with its functions	K	KH	Y	Lecture/DOAP Session	Written/Vova voce	-	Dermatolog y/Venereology &leprosv	

AN4.4A	At the end of the session phase 1 student must be able to define modification of deep fascia correctly	K	K	Y	Lecture	Written			
AN4.4B	At the end of the session phase 1 student must be able to describe modification of deep fascia correctly	K	K	Y	Lecture	Written			
AN4.4C	At the end of the session phase 1 student must be able to describe functions of deep fascia accurately	K	KH	Y	Lecture	Written			
AN 4.5	Explain principles of skin incisions	K	KH	N	Lecture/DOAP Session	Written/Vova voce	-	Dermatolog y/Venereolo gy &leprosv	
AN4.5A	At the end of the session phase 1 student should be able to explain principles of skin incissions correctly	K	K	N	Lecture	Written			
AN4.5B	At the end of the session phase 1 student should be able to demonstrate principles of skin incissions on the cadaver accurately	K	KH	N	DOAP session	viva voce			
AN 5.1	Differentiate between blood vascular and lymphatic system	K	KH	Y	Lecture	Written/ Viva voce			physiology
AN5.1A	At the end of the session phase 1 student must be able to describe blood vascular system correctly	K	K	Y	Lecture	Written	-		
AN5.1B	At the end of the session phase 1 student must be able to describe lymphatic system correctly	K	K	Y	Lecture	Written			
AN5.1C	At the end of the session phase 1 student must be able to explain differences between blood vascular and lymphatic system accurately	K	KH	Y	Lecture	Written			
AN 5.2	Differentiate between pulmonary and systemic circulation	K	KH	Y	Lecture	Written/ Viva voce			Physiology
AN5.2A	At the end of the session phase 1 student must be able to describe pulmonary circulation correctly	K	K	Y	Lecture	Written			
AN5.2B	At the end of the session phase 1 student must be able to describe systemic circulation correctly	K	K	Y	Lecture	Written			
AN5.2C	At the end of the session phase 1 student must be able to explain differences between pulmonary and systemic circulation accurately	K	KH	Y	Lecture	Written			Physiology
AN 5.3	List general differences between arteries & veins	K	KH	Y	Lecture	Written/ Viva voce			
AN5.3A	At the end of the session phase 1 student must be able to describe list general differences between arteries and veins correctly	K	K	Y	Lecture	Written			
AN 5.4	Explain functional difference between elastic, muscular arteries and arterioles	K	KH	Y	Lecture	Written/ Viva voce			

AN5.4A	At the end of the session phase 1 student must be able to explain functional differences between elastic , muscular arteries correctly	K	K	Y	Lecture	Written			
AN5.4B	At the end of the session phase 1 student must be able to enumerate functional differences between elastic , muscular arteries and arterioles accurately	K	KH	Y	Lecture	Written			
AN 5.5	Describe portal system giving examples	K	KH	Y	Lecture	Written/ Viva voce			
AN5.5A	At the end of the session phase 1 student must be able to describe the portal system correctly	K	K	Y	Lecture	Written			
AN5.5B	At the end of the session phase 1 student must be able to describe portal system by giving examples accurately	K	KH	Y	Lecture	Written			
AN 5.6	Describe the concept of anastomoses and collateral circulation with significance of end-arteries	K	KH	Y	Lecture	Written/ Viva voce		General Medicine	Physiology
AN5.6A	At the end of the session phase 1 student must be able to describe concept of anastomoses Correctly	K	K	Y	Lecture	Written			Physiology
AN5.6B	At the end of the session phase 1 student must be able to describe concept of collateral circulation Correctly	K	K	Y	Lecture	Written			
AN5.6C	At the end of the session phase 1 student must be able to describe significance of end arteries Correctly	K	KH	Y	Lecture	Written			
AN 5.7	Explain function of meta-arterioles, precapillary sphincters, arterio-venous anastomoses	K	KH	N	Lecture	Written			Physiology
AN5.7A	At the end of the session phase 1 student should be able to explain function of meta arterioles correctly	K	K	N	Lecture	Written		-	
AN5.7B	At the end of the session phase 1 student should be able to explain function of pre capillary sphinctors correctly	K	K	N	Lecture	Written			
AN5.7C	At the end of the session phase 1 student should be able to explain function of arterio- venous anastomoses correctly	K	KH	N	Lecture	Written			
AN 5.8	Define thrombosis, infarction & aneurysm	K	KH	N	Lecture	Written		Pathology	Physiology
AN5.8A	At the end of the session phase 1 student should be able to define thrombosis	K	K	N	Lecture	Written			Physiology
AN5.8B	At the end of the session phase 1 student should be able to define infarction	K	K	N	Lecture	Written			
AN5.8C	At the end of the session phase 1 student should be able to define aneurysm correctly	K	K	N	Lecture	Written			
AN 6.1	List the components and functions of the lymphatic system	K	KH	N	Lecture	Written			

AN6.1A	At the end of the session of phase 1 student should be able to enumerate the components of lymphatic system correctly	K	K	N	Lecture	Written			
AN6.1B	At the end of the session of phase 1 student should be able to list functions of lymphatic system correctly	K	KH	N	Lecture	Written			
AN 6.2	describe structure of lymph capillaries and mechanism of lymph circulation.	K	KH	N	Lecture	Written			
AN6.2A	At the end of the session of phase 1 student should be able to describe structure of lymph capillaries correctly	K	K	N	Lecture	Written			
AN6.2B	At the end of the session of phase 1 student should be able to describe mechanism of lymph circulation accurately	K	KH	N	Lecture	Written			
AN 6.3	Explain the concept of lymphoedema and spread of tumors via lymphatics and venous system	K	KH	N	Lecture	Written		General Surgery	
AN6.3A	At the end of the session of phase 1 student should be able to explain the concept of lymphoedema correctly	K	K	N	Lecture	Written			
AN6.3B	At the end of the session of phase 1 student should be able to explain spread of tumours via lymphatics correctly	K	K	N	Lecture	Written			
AN6.3C	At the end of the session of phase 1 student should be able to explain spread of tumour via venous system accurately	K	KH	N	Lecture	Written			
AN 7.1	Describe general plan of nervous system with components of central, peripheral & autonomic nervous systems	K	KH	Y	Lecture	Written			
AN7.1A	At the end of the session of phase 1 student must be able to describe general plan of nervous systems correctly	K	K	Y	Lecture	Written			
AN7.1B	At the end of the session of phase 1 student must be able to describe general plan of central nervous system correctly	K	K	Y	Lecture	Written			
AN7.1C	At the end of the session of phase 1 student must be able to describe general plan of Peripheral nervous system correctly	K	KH	Y	Lecture	Written			
AN7.1D	At the end of the session of phase 1 student must be able to describe general plan of autonomic nervous system correctly	K	KH	Y	Lecture	Written			
AN 7.2	List components of nervous tissue and their functions	K	KH	Y	Lecture	Written/Viva voce			Physiology
AN7.2A	At the end of the session of phase 1 student must be able to list components of nervous tissue correctly	K	K	Y	Lecture	Written			Physiology
AN7.2B	At the end of the session of phase 1 student must be able to describe functions of nervous tissue accurately	K	KH	Y	Lecture	Written			
AN 7.3	Describe parts of a neuron and classify them based on number of neurites, size & function	K	KH	Y	Lecture	Written/Viva voce			Physiology

AN7.3A	At the end of the session of phase 1 student must be able to describe parts of a neurons correctly	K	K	Y	Lecture	Written			Physiology
AN7.3B	At the end of the session of phase 1 student must be able to classify neurons based on number of neurites, correctly	K	K	Y	Lecture	Written			
AN7.3C	At the end of the session of phase 1 student must be able to classify neurons based on size correctly	K	KH	Y	Lecture	Written			
AN7.3D	At the end of the session of phase 1 student must be able to classify neurons based on function correctly	K	KH	Y	Lecture	Written			
AN 7.4	Describe structure of a typical spinal nerve	K	KH	Y	Lecture	Written/Viva voce			
AN7.4 A	At the end of the session of phase 1 student must be able to enumerate the typical spinal nerve correctly	K	K	Y	Lecture	Written			
AN7.4 A	At the end of the session of phase 1 student must be able to describe structure of typical spinal nerve correctly	K	KH	Y	Lecture	Written			
AN 7.5	Describe principles of sensory and motor innervation of muscles	K	KH	N	Lecture	Written/Viva voce		General Medicine	Physiology
AN7.5A	At the end of the session of phase 1 student should be able to describe principles of sensory innervation of muscles correctly	K	K	N	Lecture	Written			Physiology
AN7.5B	At the end of the session of phase 1 student should be able to describe principles of motor innervation of muscles correctly	K	KH	N	Lecture	Written			
AN 7.6	Describe concept of loss of innervation of a muscle with its applied anatomy	K	KH	Y	Lecture	Written/Viva voce		General Medicine	
AN7.6A	At the end of the session of phase 1 student must be able to describe concept of loss of innervation of a muscle correctly	K	K	Y	Lecture	Written			
AN7.6B	At the end of the session of phase 1 student must be able to explain the applied anatomy of loss of innervation of a muscle correctly	K	KH	Y	Lecture	Written			
AN 7.7	Describe various type of synapse	K	KH	N	Lecture	Written			Physiology
AN7.7A	At the end of the session of phase 1 student should be able to edefine the synapse correctly	K	K	N	Lecture	Written			
AN7.7B	At the end of the session of phase 1 student should be able to describe various types of synapse accurately	K	KH	N	Lecture	Written			
AN 7.8	Describe differences between sympathetic and spinal ganglia	K	KH	N	Lecture	Written			
AN7.8A	At the end of the session of phase 1 student should be able to describe Sympathetic ganglia correctly	K	K	N	Lecture	Written			
AN7.8B	At the end of the session of phase 1 student should be able to describe spinal ganglia correctly	K	K	N	Lecture	Written			
AN7.8C	At the end of the session of phase 1 student should be able to explain differences between sympathetic and spinal ganglia accurately	K	KH	N	Lecture	Written			

AN 8.1	Identify the given bone, its side, important features & keep it in anatomical position	K/S	SH	Y	DOAP session	Viva voce/Practicals OSPE			
AN8.1A	At the end of the session of phase 1 student must be able to identify a given bone correctly	K	K	Y	DOAP session	Viva voce		-	-
AN8.1B	At the end of the session of phase 1 student must be able to identify side of a given bone correctly	K	KH	Y	DOAP session	Viva voce			
AN8.1C	At the end of the session of phase 1 student must be able to identify anatomical position of given bone correctly	S	SH	Y	DOAP session	Viva voce			
AN8.1D	At the end of the session of phase 1 student must be able to describe important features of given bone correctly	S	SH	Y	DOAP session	Viva voce			
AN 8.2	Identify & describe joints formed by the given bone	K/S	SH	Y	Lecture, DOAP session	Viva/ voce			
AN8.2A	At the end of the session of phase 1 student must be able to describe the joints formed by given bone correctly	K	K	Y	Lecture	Written			
AN8.2B	At the end of the session of phase 1 student must be able to identify joints formed by given bone correctly	K	SH	Y	DOAP session	viva voce			
AN 8.3	Enumerate peculiarities of clavicle	K	KH	Y	Lecture, DOAP session	Viva/ voce			
AN8.3A	At the end of the session of phase 1 student must be able to Enumerate peculiarities of clavicle correctly	K	K	Y	Lecture	Written			
AN 8.4	Demonstrate important muscle attachment on the given bone	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		ortho paedics	
AN8.4A	At the end of the session of phase 1 student must be able to enumerate the important muscle attachment on given bone correctly	K	K	Y	Lecture	Written			-
AN8.4B	At the end of the session of phase 1 student must be able to demonstrate important muscle attachment on given bone accurately	K	SH	Y	Practical	Viva voce			-
AN 8.5	Identify and name various bones in articulated hand, Specify the parts of metacarpals and phalanges and enumerate the peculiarities of pisiform	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Viva voce/ skill assessment			
AN8.5A	At the end of the session of phase 1 student must be able to identify the various bone in articulated hand correctly	K	K	Y	Practical	Viva			
AN8.5B	At the end of the session of phase 1 student must be able to specify the parts of metacarpals and phalanges correctly	K	K	Y	Practical	Viva			
AN8.5C	At the end of the session of phase 1 student must be able to enumerate peculiarities of pisiform correctly	K	K	Y	Practical	Viva			

AN8.5D	At the end of the session of phase 1 student must be able to demonstrate and various bone in articulated hand specify the parts of metacarpals and phalanges & enumerate peculiarities of pisiform accurately	K	SH	Y	Practical	Viva			
AN 8.6	Describe scaphoid fracture and explain the anatomical basis of avascular necrosis	K	KH	N	DOAP session	Viva voce/		ortho	
AN8.6A	At the end of the session of phase 1 student should be able to describe scaphoid fracture correctly	K	K	N	DOAP session	Viva voce			
AN8.6B	At the end of the session of phase 1 student should be able to explain anatomical basis of avascular necrosis accurately	K	KH	N	DOAP session	Viva voce			
AN9.1	Describe attachment, nerve supply & action of pectoralis major and pectoralis minor	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN9.1A	At the end of the session of phase 1 student must be able to describe in respect of attachment and nerve supply of pectoralis major correctly	K	K	Y	Lecture	Written			
AN9.1A	At the end of the session of phase 1 student must be able to describe the action of pectoralis major correctly	K	SH	Y	practical	viva voce			
AN9.1B	At the end of the session of phase 1 student must be able to describe in respect of attachment and nerve supply of pectoralis minor accurately	K	K	Y	Lecture	Written			
AN9.1B	At the end of the session of phase 1 student must be able to describe the action of pectoralis minor accurately	K	SH	Y	Practical	Viva			
AN9.2	Breast: Describe the location, extent, deep relations, structure, age changes, blood supply, lymphatic drainage, microanatomy and applied anatomy of breast	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN9.2A	At the end of the session of phase 1 student must be able to describe in respect of location, extent, deep relations of breast correctly	K	K	Y	Lecture	Written			
AN9.2B	At the end of the session of phase 1 student must be able to describe in respect structure and age changes of breast correctly	K	K	Y	Lecture	Written			
AN9.2C	At the end of the session of phase 1 student must be able to describe the blood supply of breast correctly	K	K	Y	Lecture	Written			
AN9.2D	At the end of the session of phase 1 student must be able to describe the lymphatic drainage of breast correctly	K	KH	Y	Lecture	Written			
AN9.2E	At the end of the session of phase 1 student must be able to describe applied anatomy breast accurately	K	KH	Y	Lecture	Written			

AN9.2F	At the end of the session of phase 1 student must be able to describe microanatomy of breast under the microscope accurately	S	SH	Y	practical	viva voce			
AN9.3	Describe development of breast	K	KH	N	Lecture	Written			
AN9.3A	At the end of the session of phase 1 student should be able to describe development of breast correctl	K	K	N	Lecture	Written			
AN10.1	Identify & describe boundaries and contents of axilla	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN10.1A	At the end of the session of phase 1 student must be able to describe the boundaries of axilla correctly	K	K	Y	Lecture	Written			
AN10.1B	At the end of the session of phase 1 student must be able to describe the contents of axilla correctly	K	K	Y	Lecture	Written			
AN10.1C	At the end of the session of phase 1 student must be able to identify boundaries & contents of axilla accurately	S	SH	Y	Practical	Viva			
AN10.2	Identify, describe and demonstrate the origin, extent, course, parts, relations and branches of axillary artery & tributaries of vein	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN10.2A	At the end of the session of phase 1 student must be able to describe the origin, extend, course of axillary artery correctly	K	K	Y	Lecture	Written			
AN10.2B	At the end of the session of phase 1 student must be able to describe the parts, relation & branches of axillary artery correctly	K	K	Y	Lecture	Written			
AN10.2C	At the end of the session of phase 1 student must be able to describe the origin, extend, course of axillary vein correctly	K	K	Y	Lecture	Written			
AN10.2D	At the end of the session of phase 1 student must be able to Identify nad demonstrate the origin, extend, course, parts, relation & branches of axillary artery on the cadaver correctly	K	SH	Y	practical	viva voce			
AN10.2E	At the end of the session of phase 1 student must be able to demonstrate the origin, extend, course, parts, relation & branches of tributaries of axillary vein on the cadaver accurately	K	SH	Y	Practical	Viva voce			
AN10.3	Describe, identify and demonstrate formation, branches, relations, area of supply of branches, course and relations of terminal branches of brachial plexus	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN10.3A	At the end of the session of phase 1 student must be able to describe the formation and branches of brachial plexus correctly	K	K	Y	Lecture	Written			

AN10.3B	At the end of the session of phase 1 student must be able to describe the relations, course of brachial plexus accurately	K	K	Y	Lecture	Written			
AN10.3C	At the end of the session of phase 1 student must be able to describe the area of supply by terminal branches of brachial plexus accurately	K	K	Y	Lecture	written			
AN10.3D	At the end of the session of phase 1 student must be able to identify formation, branches, relations, area of supply of branches, course and relations of terminal branches of brachial plexus accurately	S	KH	Y	Practical	Viva			
AN10.3E	At the end of the session of phase 1 student must be able to demonstrate formation, branches, relations, area of supply of branches, course and relations of terminal branches of brachial plexus accurately	S	SH	Y	Practical	Viva			
AN10.4	Describe the anatomical groups of axillary lymph nodes and specify their areas of drainage	K	KH	Y	Practical, Lecture	Written/ Viva voice		General Surgery	
AN10.4A	At the end of the session of phase 1 student must be able to enumerate the anatomical groups of axillary lymph nodes correctly	K	K	Y	Lecture	Written			
AN10.4B	At the end of the session of phase 1 student must be able to describe the anatomical groups of axillary lymph nodes correctly	K	K	Y	Lecture	Written			
AN10.4C	At the end of the session of phase 1 student must be able to describe the specify areas of drainage by axillary node correctly?	K	KH	Y	Lecture	Written			
AN10.5	Explain variations in formation of brachial plexus	K	KH	Y	Practical, Lecture	Written/ Viva voice			
AN10.5A	At the end of the session of phase 1 student must be able to explain variations in formation of brachial plexus correctly	K	K	Y	Lecture	Written			
AN10.6	Explain the anatomical basis of clinical features of Erb's palsy and Klumpke's paralysis	K	KH	N	Lecture	Written		General Surgery	
AN10.6A	At the end of the session of phase 1 student should be able to explain anatomical basis of clinical features of erb's palsy correctly?	K	K	N	Lecture	Written			-
AN10.6B	At the end of the session of phase 1 student should be able to explain anatomical basis of clinical features of klumpke's paralysis accurately	K	KH	N	Lecture	Written			-
AN10.7	Explain anatomical basis of enlarged axillary lymph node	K	KH	N	Lecture	Written		General Surgery	
AN10.7A	At the end of the session of phase 1 student should be able to enumerate the site of enlarged axillary lymph nodes correctly	K	K	N	Lecture	Written			-
AN10.7B	At the end of the session of phase 1 student should be able to explain anatomical basis of enlarged axillary lymph nodes correctly	K	KH	N	Lecture	Written			-
AN10.8	Describe, identify and demonstrate the position, attachment, nerve supply and actions of trapezius and latissimus dorsi	K/S	SH	Y	Practical, Lecture, Small	Written/ Viva voce/			

					group discussion, DOAP session	skill assessment			
AN10.8A	At the end of the session of phase 1 student must be able to describe in respect of the position, attachment of trapezius correctly	K	K	Y	Lecture	Written			
AN10.8B	At the end of the session of phase 1 student must be able to describe I respcat of nerve supply & actions of trapezius correctly	K	K	Y	Lecture	Written			
AN10.8C	At the end of the session of phase 1 student must be able to describe in respect of the position, attachment of latissimus dorsi correctly	K	KH	Y	Lecture	Written			
AN10.8D	At the end of the session of phase 1 student must be able to describe I respcat of nerve supply & actions of latissimus dorsi correctly	K	KH	Y	Lecture	Written			
AN10.8E	At the end of the session of phase 1 student must be able to idetify in respect of the position, attachment, nerve supply & actions of trapezius accurately	K	SH	Y	Practical	Viva			
AN10.8F	At the end of the session of phase 1 student must be able to identify in respect of the position, attachment, nerve supply & actions of latissimus dorsi accurately	K	SH	Y	Practical	Viva			
AN10.8G	At the end of the session of phase 1 student must be able to demonstrate in respect of the position, attachment, nerve supply & actions of trapezius accurately	K	SH	Y	Practical	Viva			
AN10.8H	At the end of the session of phase 1 student must be able to demonstrate in respect of the position, attachment, nerve supply & actions of latissimus dorsi accurately	K	SH	Y	Practical	Viva			
AN10.9	Describe the arterial anastomosis around the scapula and mention the boundaries of triangle of auscultation	K	KH	N	Lecture	Written			
AN10.9A	At the end of the session of phase 1 student should be able to describe the arterial anastomosis around the scapula corectly	K	K	N	Lecture	Written			
AN10.9B	At the end of the session of phase 1 student should be able to mention the boundries of triangle of auscultation accurately	K	KH	N	lecture	written			
AN10.10	Describe and identify the deltoid and rotator cuff muscles	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN10.10A	At the end of the session of phase 1 student must be able to describe the deltoid muscles correctly	K	K	Y	Lecture	Written			
AN10.10B	At the end of the session of phase 1 student must be able to describe the rotator cuff muscles accurately	K	K	Y	Lecture	Written			

AN10.10C	At the end of the session of phase 1 student must be able to identify the deltoid muscles correctly	K	SH	Y	Practical	Viva			
AN10.10D	At the end of the session of phase 1 student must be able to identify the rotator cuff muscles accurately	K	SH	Y	Practical	Viva			
AN10.11	Describe & demonstrate attachment of serratus anterior with its action	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN10.11A	At the end of the session of phase 1 student must be able to describe attachments of serratus anterior correctly	K	K	Y	Lecture	Written			
AN10.11B	At the end of the session of phase 1 student must be able to describe action of serratus anterior correctly	K	KH	Y	Lecture	Written			
AN10.11C	At the end of the session of phase 1 student must be able to demonstrate attachments of serratus anterior with its action accurately	K	SH	Y	Practical	Viva			
AN10.12	Describe and demonstrate shoulder joint for- type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, muscles involved, blood supply, nerve supply and applied anatomy	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		Orthopedics	
AN10.12A	At the end of the session of phase 1 student must be able to Describe The type of shoulder joint correctly	K	K	Y	Lecture	Written			
AN10.12B	At the end of the session of phase 1 student must be able to Describe the articular surfaces and capsule of shoulder joint correctly	K	K	Y	Lecture	Written			
AN10.12C	At the end of the session of phase 1 student must be able to Describe the synovial membrane of shoulder joint correctly	K	K	Y	Lecture	Written			
AN10.12D	At the end of the session of phase 1 student must be able to Describe the ligaments and relation of shoulder joint correctly	K	K	Y	Lecture	Written			
AN10.12E	At the end of the session of phase 1 student must be able to describe the blood supply and nerve supply of shoulder joint accurately	K	K	Y	Lecture	Written			
AN10.12F	At the end of the session of phase 1 student must be able to explain the applied anatomy of shoulder joint accurately	K	KH	Y	Practical	Viva			
AN10.12G	At the end of the session of phase 1 student must be able to demonstrate the movements and muscles involved in shoulder joint accurately	K	SH	Y	Practical	Viva			
AN10.13	Explain anatomical basis of Injury to axillary nerve during intramuscular injections	K	KH	N	Lecture	Viva voce			

AN10.13A	At the end of the session of phase 1 student should be able to explain anatomical basis of injury to axillary nerve correctly	K	K	N	Lecture	Written			
AN10.13B	At the end of the session of phase 1 student should be able to describe anatomical basis of injury to axillary nerve during intra muscular injections accurately	K	KH	N	Lecture	Written			
AN11.1	Describe and demonstrate muscle groups of upper arm with emphasis on biceps and triceps brachii	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN11.1A	At the end of the session of phase student must be able to describe muscle groups of upper arm with emphasis on biceps & triceps brachii correctly?	K	K	Y	Lecture	Written			
AN11.1B	At the end of the session of phase 1 student must be able to demonstrate muscle groups of upper arm with emphasis on biceps & triceps brachii accurately	K	SH	Y	Practical	Viva			
AN11.2	Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels in arm	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN11.2A	At the end of the session of phase 1 student must be able to describe origin and course of important nerves in arm correctly	K	K	Y	Lecture	Written			
AN11.2B	At the end of the session of phase 1 student must be able to describe relations, branches of important nerves in arm correctly	K	K	Y	Lecture	Written			
AN11.2C	At the end of the session of phase 1 student must be able to describe origin, course of important vessels in arm correctly	K	K	Y	Lecture	Written			
AN11.2D	At the end of the session of phase 1 student must be able to describe relations, branches(or tributaries), termination of important vessels in arm correctly	K	K	Y	Lecture	Written			
AN11.2E	At the end of the session of phase 1 student must be able to identify origin, course, relations, branche, termination of important nerves in arm correctly	K	SH	Y	Practical	Viva			
AN11.2F	At the end of the session of phase 1 student must be able to identify origin, course, relations, branches(or tributaries), termination of important vessels in arm accurately	K	SH	Y	Practical	Viva			
AN11.3	Describe the anatomical basis of Venepuncture of cubital veins	K	KH	Y	Practical, Lecture	Written Viva voce		General Surgery	
AN11.3A	At the end of the session of phase 1 student must be able to Describe the anatomical basis of venepuncture of cubital veins correctly	K	K	Y	Lecture	Written			-
AN11.4	Describe the anatomical basis of Saturday night paralysis	K	KH	Y	Practical,	Written		Orthopedic	

					Lecture	Viva voce		s	
AN11.4A	At the end of the session of phase 1 student must be able to describe the saturday night paralysis correctly	K	K	Y	Lecture	Written			
AN11.4B	At the end of the session of phase 1 student must be able to describe the anatomical basis of saturday night paralysis correctly	K	KH	Y	lecture	written			
AN11.5	Identify & describe boundaries and contents of cubital fossa	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN11.5A	At the end of the session of phase 1 student must be able to describe boundries of cubital fossa correctly	K	K	Y	Lecture	Written			
AN11.5B	At the end of the session of phase 1 student must be able to describe contents of cubital fossa accurately	K	K	Y	Lecture	Written			
AN11.5C	At the end of the session of phase 1 student must be able to identify boundries of cubital fossa correctly	K	SH	Y	Practical	Viva			
AN11.5D	At the end of the session of phase 1 student must be able to identify contents of cubital fossa accurately	K	SH	Y	Practical	Viva			
AN11.6	Describe the anastomosis around the elbow joint	K	KH	N	Lecture	Written			
AN11.6A	At the end of the session of phase 1 student should be able to describe the blood supply of elbow joint correctly	K	K	N	Lecture	Written			
AN11.6B	At the end of the session of phase 1 student should be able to describe the anastomosis around elbow joint accuratety	K	KH	N	lecture	written			
AN12.1	Describe and demonstrate important muscle groups of ventral forearm with attachments, nerve supply and actions	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN12.1A	At the end of the session of phase 1 student must be able to enumerate important muscle groups of ventral for arm coorrectly?	K	K	Y	Lecture	Written			
AN12.1B	At the end of the session of phase 1 student must be able to describe important muscle groups of ventral for arm with attachments accurately?	K	K	Y	Lecture	Written			
AN12.1C	At the end of the session of phase 1 student must be able to describe important muscle groups of ventral for arm with nerve supply & actions coorrectly?	K	K	Y	Lecture	Written			
AN12.1D	At the end of the session of phase 1 student must be able to demonstrate important muscle groups of ventral for arm with attachments accurately?	K	SH	Y	Practical	Viva			

AN12.1E	At the end of the session of phase 1 student must be able to demonstrate important muscle groups of ventral for arm with nerve supply & actions accurately?	K	SH	Y	Practical	Viva			
AN12.2	Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of forearm	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN12.2A	At the end of the session of phase 1 student must be able to describe origin and course of important nerves in forearm correctly	K	K	Y	Lecture	Written			
AN12.2B	At the end of the session of phase 1 student must be able to describe relations, branches, of important nerves in forearm correctly	K	K	Y	Lecture	Written			
AN12.2C	At the end of the session of phase 1 student must be able to describe origin, course of important vessels in forearm correctly?	K	K	Y	Lecture	Written			
AN12.2D	At the end of the session of phase 1 student must be able to describe relations, branches(or tributaries), termination of important vessels in forearm correctly?	K	K	Y	Lecture	Written			
AN12.2E	At the end of the session of phase 1 student must be able to identify origin, course, relations, branches, termination of important nerves in forearm correctly?	K	SH	Y	Practical	Viva			
AN12.2F	At the end of the session of phase 1 student must be able to identify origin, course, relations, branches(or tributaries), termination of important vessels in forearm accurately?	K	SH	Y	Practical	Viva			
AN12.3	Identify & describe flexor retinaculum with its attachments	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN12.3A	At the end of the session of phase 1 student must be able to describe flexor retinaculum correctly	K	K	Y	Lecture	Written			
AN12.3B	At the end of the session of phase 1 student must be able to describe flexor retinaculum attachments accurately	K	K	Y	Lecture	Written			
AN12.3C	At the end of the session of phase 1 student must be able to identify flexor retinaculum correctly	K	SH	Y	Practical	Viva			
AN12.3D	At the end of the session of phase 1 student must be able to identify flexor retinaculum attachments accurately	K	SH	Y	Practical	Viva			
AN.12.4	Explain anatomical basis of carpal tunnel syndrome	K	KH	Y	Lecture	Written/ Viva voce			
AN.12.4A	At the end of the session the phase 1 student must be able to define the carpal tunnel syndrome correctly.	K	K	Y	Lecture	Viva voice		-	-
AN.12.4B	At the end of the session the phase 1 student must be able to explain anatomical basis of carpal tunnel syndrome correctly.	K	KH	Y	Lecture	Written	-		

AN.12.5	Identify & describe small muscles of hand. Also describe movements of thumb and muscles involved	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN.12.5A	At the end of the session the phase 1 student must be able to enumerate the names of small muscles of hand correctly.	K	K	Y	Small group discussion	Viva voce	-	-	-
AN.12.5B	At the end of the session the phase 1 student must be able to describe the muscles involved in various movements of thumb correctly.	K	KH	Y	Lecture	Written		-	-
AN.12.5C	At the end of the session the phase 1 student must be able to identify the small muscles of hand accurately.	S	SH	Y	Practical	Viva voce		-	-
AN.12.5D	At the end of the session the phase 1 student must be able to demonstrate the movements of thumb accurately.	S	SH	Y	Practical	Viva voce		-	-
AN12.6	Describe & demonstrate movements of thumb and muscles involved	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN.12.6A	At the end of the session the phase 1 student must be able to list the muscles involved in various movements of thumb correctly.	K	K	Y	Small group discussion	Viva voce	-	-	-
AN.12.6B	At the end of the session the phase 1 student must be able to describe the muscles involved in various movements of thumb correctly.	K	KH	Y	Lecture	Written	-	-	-
AN.12.6C	At the end of the session the phase 1 student must be able to demonstrate the movements of thumb accurately.	S	SH	Y	Practical	Skill assessment		-	-
AN12.7	Identify & describe course and branches of important blood vessels and nerves in hand	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN.12.7A	At the end of the session the phase 1 student must be able to enumerate branches / tributaries of important blood vessels in hand correctly.	K	K	Y	Lecture	Written	-	-	-
AN.12.7B	At the end of the session the phase 1 student must be able to enumerate branches of important Nerves in hand correctly.	K	K	Y	Lecture	Written	-	-	-
AN.12.7C	At the end of the session the phase 1 student must be able to describe the important blood vessels of hand correctly in respect to its course and branches.	K	KH	Y	Lecture	Written	-	-	-
AN.12.7D	At the end of the session the phase 1 student must be able to identify the important Nerves of hand in dissection accurately.	S	SH	Y	Practical	Viva voce		-	-

AN.12.7E	At the end of the session the phase 1 student must be able to identify the important blood vessels of hand in dissection accurately in respect to its course and branches.	S	SH	Y	Practical	Viva voce	-	-	-
AN.12.8	Describe anatomical basis of Claw hand	K	KH	Y	Lecture	Written/ Viva voce	-	General Surgery	-
AN.12.8A	At the end of the session the phase 1 student must be able to define claw hand correctly.	K	K	Y	Lecture	Written	-	-	-
AN.12.8B	At the end of the session the phase 1 student must be able to describe the anatomical basis of claw hand accurately.	K	KH	Y	Lecture	Written	-	-	-
AN12.9	Identify & describe fibrous flexor sheaths, ulnar bursa, radial bursa and digital synovial sheaths	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN.12.9A	At the end of the session the phase 1 student must be able to define fibrous flexor sheaths correctly.	K	K	Y	Lecture	Written	-	-	-
AN.12.9B	At the end of the session the phase 1 student must be able to define ulnar bursa correctly.	K	K	Y	Lecture	Written	-	-	-
AN.12.9C	At the end of the session the phase 1 student must be able to define radial bursa correctly.	K	K	Y	Lecture	Written	-	-	-
AN.12.9D	At the end of the session the phase 1 student must be able to define digital synovial sheaths correctly.	K	K	Y	Lecture	Written	-	-	-
AN.12.9E	At the end of the session the phase 1 student must be able to describe fibrous flexor sheaths correctly.	K	KH	Y	Lecture	Written	-	-	-
AN.12.9F	At the end of the session the phase 1 student must be able to describe ulnar bursa correctly.	K	KH	Y	Lecture	Written	-	-	-
AN.12.9G	At the end of the session the phase 1 student must be able to describe radial bursa correctly.	K	KH	Y	Lecture	Written	-	-	-
AN.12.9H	At the end of the session the phase 1 student must be able to describe digital synovial sheaths correctly.	K	KH	Y	Lecture	Written	-	-	-
AN.12.9I	At the end of the session the phase 1 student must be able to identify fibrous flexor sheaths correctly in dissection.	S	SH	Y	Practical	Viva voce	-	-	-
AN.12.9J	At the end of the session the phase 1 student must be able to identify ulnar bursa correctly in dissection.	S	SH	Y	Practical	Viva voce	-	-	-
AN.12.9K	At the end of the session the phase 1 student must be able to identify radial bursa correctly in dissection.	S	SH	Y	Practical	Viva voce	-	-	-
AN.12.9L	At the end of the session the phase 1 student must be able to identify digital synovial sheaths correctly in dissection.	S	SH	Y	Practical	Viva voce	-	-	-
AN12.10	Explain infection of fascial spaces of palm	K	KH	N	Lecture	Written		General Surgery	

AN.12.10A	At the end of the session the phase 1 student should be able to enumerate the various fascial spaces of palm correctly.	K	K	N	Lecture	Written	-	-	-
AN.12.10B	At the end of the session the phase 1 student should be able to explain the infection of fascial spaces of palm correctly.	K	KH	N	Lecture	Written	-	-	-
AN12.11	Identify, describe and demonstrate important muscle groups of dorsal forearm with attachments, nerve supply and actions	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Surgery	
AN.12.11A	At the end of the session the phase 1 student must be able to name the muscles of dorsal forearm correctly.	K	K	Y	Lecture	Written	-	-	-
AN.12.11B	At the end of the session the phase 1 student must be able to enumerate the nerve supply of muscles of dorsal forearm correctly.	K	K	Y	Lecture	Written	-	-	-
AN.12.11C	At the end of the session the phase 1 student must be able to describe the important muscle group of dorsal forearm accurately in respect to its attachments, nerve supply & actions.	K	KH	Y	Lecture	Written	-	-	-
AN.12.11D	At the end of the session the phase 1 student should be able to dissect the important muscle group of dorsal forearm accurately in respect to its attachments, nerve supply & actions.	S	SH	Y	Practical	Viva voce		-	-
AN12.12	Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of forearm	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Surgery	
AN.12.12A	At the end of the session the phase 1 student must be able to name important nerves of back of forearm correctly.	K	K	Y	Lecture	Written	-	-	-
AN.12.12B	At the end of the session the phase 1 student must be able to name important vessels of back of forearm correctly.	K	K	Y	Lecture	Written	-	-	-
AN.12.12C	At the end of the session the phase 1 student must be able to describe important nerves of back of forearm correctly in respect to their origin, course, relations, branches & termination.	K	KH	Y	Lecture	Written	-	-	-
AN.12.12D	At the end of the session the phase 1 student must be able to describe important vessels of back of forearm correctly in respect to their origin, course, relations, branches,(or tributaries) & termination.	K	KH	Y	Lecture	Written	-	-	-
AN.12.12F	At the end of the session the phase 1 student must be able to identify important blood vessels of back of forearm accurately in respect to their origin, course, relations, branches & termination.	S	SH	Y	Practical	Viva voce		-	-
AN12.13	Describe the anatomical basis of Wrist drop	K	KH	Y	Lecture	Written/viva voce	-	General surgery	-
AN.12.13A	At the end of the session the phase 1 student must be able to define wrist drop correctly.	K	K	Y	Lecture	Written	-	-	-
AN.12.13B	At the end of the session the phase 1 student must be able to describe the anatomical basis of wrist drop correctly.	K	KH	Y	Lecture	Written	-	-	-
AN12.14	Identify & describe compartments deep to extensor retinaculum	K/S	SH	Y	Practical, Lecture, Small group discussion. DOAP	Written/ Viva voce/ skill assessment		General Surgery	

					session				
AN12.14A	At the end of the session the phase 1 student must be able to enumerate the attachment of extensor retinacular correctly .	K	K	Y	Lecture	Written	-	-	-
AN12.14B	At the end of the session the phase 1 student must be able to enumerate the components of compartments deep to extensor retinaculum correctly .	K	K	Y	Lecture	Written	-	-	-
AN.12.14C	At the end of the session the phase 1 student must be able to describe components of compartments deep to extensor retinaculum correctly .	K	KH	Y	Lecture	Written		-	-
AN.12.14D	At the end of the session the phase 1 student must be able to identify components of compartments deep to extensor retinaculum correctly .	S	SH	Y	Practical	Viva voce		-	-
AN.12.15	Identify & describe extensor expansion formation	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN.12.15A	At the end of the session the phase 1 student must be able to define the extensor expansion correctly.	K	KH	Y	Lecture	Written	-	-	-
AN.12.15B	At the end of the session the phase 1 student must be able to describe the extensor expansion formation correctly.	K	KH	Y	Lecture	Written	-	-	-
AN.12.15C	At the end of the session the phase 1 student must be able to identify the extensor expansion formation in the dissection accurately.	S	SH	Y	Practical	Viva voce		-	-
AN.13.1	Topic: General Features, Joints, radiographs & surface marking Describe and explain Fascia of upper limb and compartments, veins of upper limb and its lymphatic drainage	K	KH	Y	Lecture	Written/ Viva voce/			
AN 13.1A	At the end of the session the phase 1 student must be able to List the compartments of upper limb correctly.	K	K	Y	Lecture	Written	-	-	-
AN 13.1B	At the end of the session the phase 1 student must be able to describe the Fascia of upper limb correctly.	K	KH	Y	Lecture	Written	-	-	-
AN 13.1C	At the end of the session the phase 1 student must be able to describe the veins of upper limb correctly in respect to brigin course termination and applied anatomy.	K	KH	Y	Lecture	Written	-	-	-
AN 13.1D	At the end of the session the phase 1 student must be able to describe the lymphatic drainage of upper limb correctly.	K	KH	Y	Lecture	Written			
AN.13.2	Describe dermatomes of upper limb	K	KH	N	Lecture	Written/Viva voce		-	-
AN 13.2A	At the end of the session the phase 1 student should be able to define dermatomes correctly.	K	K	N	Lecture	Viva	-	-	-

AN 13.2B	At the end of the session the phase 1 student should be able to describe dermatomes correctly.	K	KH	N	Lecture	Written	-	-	-
AN13.3	Identify the bones and joints of upper limb seen in anteroposterior and lateral view radiographs of shoulder region, arm, elbow, forearm and hand	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN 13.3A	At the end of the session the phase 1 student must be able to enumerate the bones of elbow joint correctly	K	K	Y	Small group dissection	Viva	-	-	-
AN 13.3B	At the end of the session the phase 1 student must be able to describe the elbow joint in respect to its type, articular surfaces, capsule, synovial membrane, relations, movements, blood & nerve supply correctly	K	KH	Y	Lecture	Written	-	-	-
AN 13.3C	At the end of the session the phase 1 student must be able to describe the Radioulnar joints with respect to its type, articular surfaces, capsule, synovial membrane, relations, movements, blood & nerve supply correctly	K	KH	Y	Lecture	Written	-	-	-
AN 13.3D	At the end of the session the phase 1 student must be able to describe the wrist joint with respect to its type, articular surfaces, capsule, synovial membrane, relations, movements, blood & nerve supply correctly	K	KH	Y	Lecture	Written	-	-	-
AN 13.3E	At the end of the session the phase 1 student must be able to describe the first carpometacarpal joint with respect to its type, articular surfaces, capsule, synovial membrane, relations, movements, blood & nerve supply correctly	K	KH	Y	Lecture	Written	-	-	-
AN 13.3f	At the end of the session the phase 1 student must be able to Identify the elbow joint wrist articular surfaces, capsule, ligaments, relations, blood supply accurately?	K	SH	Y	practical	viva voce		-	-
AN 13.3g	At the end of the session the phase 1 student must be able to Identify the Radioulnar joint wrist articular surfaces, capsule, ligaments, relations, blood supply accurately?	K	SH	Y	practical	viva voce		-	-
AN 13.3H	At the end of the session the phase 1 student must be able to Identify the wrist joint wrist articular surfaces, capsule, ligaments, relations, blood supply accurately?	K	SH	Y	practical	viva voce		-	-
AN 13.3I	At the end of the session the phase 1 student must be able to Identify the 1st carpometacarpal joint articular surfaces, capsule, ligaments, relations, blood supply accurately?	K	SH	Y	practical	viva voce		-	-
AN.13.4	Describe Sternoclavicular joint, Acromioclavicular joint, Carpometacarpal joints & Metacarpophalangeal joint	K	KH	N	Lecture	written		-	-
AN 13.4A	At the end of the session the phase 1 student should be able to outline various aspects of sternoclavicular joint correctly.	K	K	N	Lecture	Written		-	-
AN 13.4B	At the end of the session the phase 1 student should be able to outline various aspects of acromioclavicular joint correctly.	K	K	N	Lecture	Written		-	-

AN 13.4C	At the end of the session the phase 1 student should be able to differentiate between carpometacarpal & metacarpophalangeal joint correctly.	K	K	N	Lecture	Written		-	-
AN 13.4D	At the end of the session the phase 1 student should be able to discuss the small joints of hand accurately.	K	KH	N	Lecture	Written		-	-
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	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		-	
AN 13.5A	At the end of the session the phase 1 student must be able to list the bones & joints of upper limb in Ant-Post.view radio graphs correctly.	K	K	Y	Lecture	Written		-	-
AN 13.5B	At the end of the session the phase 1 student must be able to enumerate the bones & joints of upper limb in lateral view radio graphs correctly.	K	K	Y	Lecture	Written		-	-
AN 13.5C	At the end of the session the phase 1 student must be able to Identify the bones & joints of upper limb in antero posterior view radio graphs correctly.	S	SH	Y	Practical	Viva voce		-	-
AN 13.5D	At the end of the session the phase 1 student must be able to identify the bones & joints of upper limb in lateral view radio graphs correctly.	S	SH	Y	Practical	Viva voce		-	-
AN 13.6	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 scapula	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN 13.6A	At the end of the session the phase 1 student must be able to enumerate important bony landmarks of the upper limb correctly.	K	K	Y	Lecture	written		-	-
AN 13.6B	At the end of the session the phase 1 student must be able to discuss important bony landmarks of the upper limb correctly.	K	KH	Y	Lecture	written		-	-
AN 13.6C	At the end of the session the phase 1 student must be able to Demonstrate important bony landmarks of the upper limb accurately.	S	SH	Y	Practical	Viva voce		-	-
AN 13.7	Cephalic and basilic vein, Palpation of Brachial artery, Radial artery, Testing of muscles: Trapezius, pectoralis major, serratus anterior, latissimus dorsi, deltoid, biceps brachii, Brachioradialis Identify & demonstrate surface projection of:	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN 13.7A	At the end of the session the phase 1 student must be able to differentiate between the surface projections of vessels of upper limb correctly.	K	KH	Y	Lecture	viva		-	-
AN 13.7B	At the end of the session the phase 1 student must be able to discuss the clinical testing of the muscles of upper limb correctly.	K	KH	Y	Lecture	viva		-	-
AN 13.7C	At the end of the session the phase 1 student must be able to demonstrate the surface projections of vessels of upper limb accurately.	S	SH	Y	DOAP	Skill assessment		-	-

AN 13.7D	At the end of the session the phase 1 student must be able to demonstrate the clinical testing of the muscles of upper limb accurately.	S	SH	Y	DOAP	Skill assessment		-	-
AN.13.8	Describe development of upper limb	K	KH	N	Lecture	written		-	-
AN 13.8A	At the end of the session the phase 1 student should be able to mention the developmental events of upper limb correctly.	K	K	N	Lecture	written		-	-
AN 13.8B	At the end of the session the phase 1 student should be able to describe the development of upper limb correctly.	K	KH	N	Lecture	written		-	-
AN 14.1	Identify the given bone, its side, important features & keep it in anatomical position	K/S	SH	Y	DOAP Session	Viva voce		-	-
AN 14.1A	At the end of the session the phase 1 student must be able to name the given bone correctly.	K	K	Y	Practical	Viva voce		-	-
AN 14.1B	At the end of the session the phase 1 student must be able to identify the given bone accurately with respect to its name, side, anatomical position & important features.	S	SH	Y	DOAP	Viva voce		-	-
AN 14.2	Identify & describe joints formed by the given bone	K/S	SH	Y	Lecture DOAP Session	Viva voce		-	-
AN 14.2A	At the end of the session the phase 1 student must be able to List the joints formed by the given bone correctly.	K	K	Y	Lecture	Viva		-	-
AN 14.2B	At the end of the session the phase 1 student must be able to discuss the joints formed by the given bones correctly with respect to its type, structure, articulating bones.	K	KH	Y	Lecture	viva voce		-	-
AN 14.2C	At the end of the session the phase 1 student must be able to demonstrate the joints formed by the given bone accurately with respect to its articulating bones and movements.	S	SH	Y	DOAP	Viva voce		-	-
AN 14.3	Describe the importance of ossification of lower end of femur & upper end of tibia	K	KH	Y	Lecture	Viva Voce/ practicals		Forensic medicine & Toxicology	-
AN 14.3A	At the end of the session the phase 1 student must be able to Define ossification of bone correctly.	K	K	Y	Lecture	Viva		-	-
AN 14.3B	At the end of the session the phase 1 student must be able to describe the importance of ossification of lower end of femur & upper end of tibia correctly.	K	KH	Y	Lecture	Viva		-	-
AN 14.4	Identify and name various bones in the articulated foot with individual muscle attachment	K/S	SH	N	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		-	-
AN 14.4A	At the end of the session the phase 1 student should be able to enumerate the bones in articulated foot correctly.	K	K	N	Practical	Viva voce		-	-

AN 14.4B	At the end of the session the phase 1 student should be able to List the muscle attached to various bones in articulated foot correctly.	K	K	N	Practical	Viva voce		-	-
AN 14.4C	At the end of the session the phase 1 student should be able to discuss the articulated foot correctly with respect to the bones and muscle attachment.	K	KH	N	Lecture	Viva voce		-	-
AN 14.4D	At the end of the session the phase 1 student should be able to Identify the bones in articulated foot accurately.	S	SH	N	practical	Viva		-	-
AN 14.4E	At the end of the session the phase 1 student should be able to demonstrate the muscles attached various bones of foot accurately.	S	SH	N	practical	Viva		-	-
AN 15.1	Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN 15.1A	At the end of the session the phase 1 student must be able to enumerate the nerves of anterior thigh correctly.	K	K	Y	Lecture	Viva		-	-
AN 15.1B	At the end of the session the phase 1 student must be able to enumerate the vessels of anterior compartment of thigh correctly.	K	K	Y	Lecture	Viva		-	-
AN 15.1C	At the end of the session the phase 1 student must be able to describe the nerves of anterior thigh accurately with respect to its origin, course, relations, branches, termination.	K	KH	Y	Lecture	written		-	-
AN 15.1D	At the end of the session the phase 1 student must be able to describe the arteries of anterior thigh accurately with respect to its origin, course, relations, branches, termination.	K	KH	Y	Lecture	written		-	-
AN 15.1E	At the end of the session the phase 1 student must be able to describe the veins of anterior thigh accurately with respect to its origin, course, relations, tributaries, termination.	K	KH	Y	Lecture	written		-	-
AN 15.1F	At the end of the session the phase 1 student must be able to demonstrate in the cadaver the important nerves of anterior thigh accurately with respect to its origin, course, relations, termination.	S	SH	Y	Practical	Viva voce		-	-
AN 15.1G	At the end of the session the phase 1 student must be able to demonstrate in caadver the veins of anterior compartment of thigh accurately with respect to its origin, course, relations, tributaries, termination.	S	SH	Y	Practical	Viva voce		-	-
AN 15.2	Describe and demonstrate major muscles with their attachment, nerve supply and actions medial thigh	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN 15.2A	At the end of the session the phase 1 student must be able to enumerate the major muscles of medial compartment of thigh correctly.	K	K	Y	Lecture	Viva voice		-	-
AN 15.2B	At the end of the session the phase 1 student must be able to describe the major muscles of medial compartment of thigh accurately in respect to their attachment, nerve supply & actions.	K	KH	Y	Lecture	written		-	-

AN 15.2C	At the end of the session the phase 1 student must be able to demonstrate in embalmed cadaver the muscles of Medial thigh accurately.	S	SH	Y	Practical	Viva voce		-	-
AN 15.3	Describe and demonstrate boundaries, floor, roof and contents of femoral triangle	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN 15.3A	At the end of the session the phase 1 student must be able to list the boundaries of femoral triangle correctly.	K	K	Y	Lecture	Viva voice		-	-
AN 15.3B	At the end of the session the phase 1 student must be able to list the contents of femoral triangle correctly.	K	K	Y	Lecture	Viva voice		-	-
AN 15.3C	At the end of the session the phase 1 student must be able to describe the femoral triangle accurately in respect to its boundaries & contents.	K	KH	Y	Lecture	written		-	-
AN 15.3D	At the end of the session the phase 1 student must be able to demonstrate in the cadaver the femoral triangle accurately in respect to its boundaries & contents.	S	SH	Y	Practical	Viva voice		-	-
AN15.4	Explain anatomical basis of Psoas abscess & Femoral hernia	K	KH	N	Lecture/DOAP session	Written/Viva voce	1	-	-
AN 15.4A	At the end of the session the phase 1 student should be able to explain anatomical basis of Psoas abscess correctly.	K	KH	N	Lecture	written		-	-
AN 15.4B	At the end of the session the phase 1 student should be able to explain anatomical basis of Femoral hernia correctly.	K	KH	N	Lecture	written		-	-
AN 15.5	Describe and demonstrate adductor canal with its content	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN 15.5A	At the end of the session the phase 1 student must be able to Name the boundaries of adductor canal correctly.	K	K	Y	Lecture	written		-	-
AN 15.5B	At the end of the session the phase 1 student must be able to Name the contents of adductor canal correctly.	K	K	Y	Lecture	written		-	-
AN 15.5C	At the end of the session the phase 1 student must be able to describe the adductor canal correctly in respect to its boundaries & contents.	K	KH	Y	Lecture	written		-	-
AN 15.5D	At the end of the session the phase 1 student must be able to dissect the adductor canal correctly in respect its boundaries & contents.	S	SH	Y	Practical	Viva voce		-	-
	<u>Topic: Gluteal region & back of thigh</u>								
AN 16.1	Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of gluteal region	K/S	SH	Y	Practical, Lecture, Small group discussion. DOAP	Written/ Viva voce/ skill assessment			

	gluteal region				Measurement, DOAP session	Measurement			
AN 16.1A	At the end of the session the phase 1 student must be able to List the important nerves of gluteal region correctly.	K	K	Y	Lecture	Viva voce		-	-
AN 16.1B	At the end of the session the phase 1 student must be able to List the important vessels of gluteal region correctly.	K	K	Y	Lecture	Viva voce		-	-
AN 16.1C	At the end of the session the phase 1 student must be able to describe the important vessels of gluteal region correctly.	K	KH	Y	Lecture	written		-	-
AN 16.1D	At the end of the session the phase 1 student must be able to describe the important nerves of gluteal region correctly.	K	KH	Y	Lecture	written		-	-
AN 16.1E	At the end of the session the phase 1 student must be able to demonstrate the important nerves of gluteal region on the cadaver accurately.	S	SH	Y	Practical	Viva voce		-	-
AN 16.1F	At the end of the session the phase 1 student must be able to demonstrate the important vessels of gluteal region on the cadaver accurately.	S	SH	Y	Practical	Viva voce		-	-
AN 16.2	Describe anatomical basis of sciatic nerve injury during gluteal intramuscular injections	K	KH	Y	Lecture/DOAP session	Written/ Viva voce/			
AN 16.2A	At the end of the session the phase 1 student must be able to enumerate the causes of sciatic nerve injury correctly.	K	K	Y	Lecture	written		-	-
AN 16.2B	At the end of the session the phase 1 student must be able to describe the anatomical basis of sciatic nerve injury during intra muscles injections accurately.	K	KH	Y	Lecture	Written			-
AN 16.3	Explain the anatomical basis of Trendelenburg sign	K	KH	Y	Lecture/DOAP session	Written/ Viva voce/			-
AN 16.3A	At the end of the session the phase 1 student must be able to define the Trendelenburg sign correctly.	K	K	Y	Lecture	written		-	-
AN 16.3B	At the end of the session the phase 1 student must be able to explain the anatomical basis of Trendelenburg's sign.	K	KH	Y	Lecture	written			-
AN 16.4	Describe and demonstrate the hamstrings group of muscles with their attachment, nerve supply and actions	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN 16.4A	At the end of the session the phase 1 student must be able to enumerate the names of hamstrings muscles correctly.	K	K	Y	Lecture	written		-	-
AN 16.4B	At the end of the session the phase 1 student must be able to describe the hamstrings group of muscles correctly in respect to their attachment, nerve supply & action.	K	KH	Y	Lecture	written		-	-
AN 16.4C	At the end of the session the phase 1 student must be able to dissect the hamstrings group of muscles correctly in respect to their attachment & nerve supply.	S	SH	Y	Practical	Viva voce		-	-
AN 16.5	Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels on the back of thigh	K/S	SH	Y	Practical, Lecture, Small group discussion. DOAP	Written/ Viva voce/ skill assessment			

					Measurement, DOAP session	Assessment			
AN 16.5A	At the end of the session the phase 1 student must be able to name the important nerves on back of thigh.	K	K	Y	Lecture	written		-	-
AN 16.5B	At the end of the session the phase 1 student must be able to name the important vessels on back of thigh.	K	K	Y	Lecture	written		-	-
AN 16.5C	At the end of the session the phase 1 student must be able to describe the important nerves on back of thigh correctly in respect to their origin, course, relations, branches & termination.	K	KH	Y	Lecture	written		-	-
AN 16.5D	At the end of the session the phase 1 student must be able to describe the important vessels on back of thigh correctly in respect to their origin, course, relations, branches(tributaries) & termination.	K	KH	Y	Lecture	written		-	-
AN 16.5E	At the end of the session the phase 1 student must be able to demonstrate the important vessels on back of thigh correctly in respect to their origin, course, relations, branches(tributaries) & termination.	S	SH	Y	Practical	Viva voce		-	-
AN 16.5F	At the end of the session the phase 1 student must be able to demonstrate the important nerves on back of thigh correctly in respect to their origin, course, relations, branches & termination.	S	SH	Y	Practical	Viva voce		-	-
AN 16.6	Describe and demonstrate the boundaries, roof, floor, contents and relations of popliteal fossa	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			-
AN 16.6A	At the end of the session the phase 1 student must be able to enumerate the boundaries of Popliteal fossa correctly.	K	K	Y	Lecture	written		-	-
AN 16.6B	At the end of the session the phase 1 student must be able to enumerate the contents of Popliteal fossa correctly.	K	K	Y	Lecture	written		-	-
AN 16.6C	At the end of the session the phase 1 student must be able to discuss popliteal fossa correctly in respect to its boundaries, roof, floor, contents, relations	K	KH	Y	Lecture	written		-	-
AN 16.6D	At the end of the session the phase 1 student must be able to dissect & demonstrate popliteal fossa accurately in respect to its boundaries, roof, floor, contents, relations.	S	SH	Y	Practical	Viva voce		-	-
	TOPIC: <u>Hip Joi</u>Topicnt								
AN 17.1	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	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN 17.1A	At the end of the session the phase 1 student must be able to enumerate the ligaments of hip joint correctly.	K	K	Y	Lecture	written		-	-
AN 17.1B	At the end of the session the phase 1 student must be able to enumerate the relations of hip joint correctly.	K	K	Y	Lecture	written		-	-

AN 17.1C	At the end of the session the phase 1 student must be able to enumerate the muscles producing various movements of hip joint correctly.	K	K	Y	Lecture	written		-	-
AN 17.1D	At the end of the session the phase 1 student must be able to describe hip joint accurately in respect to type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood supply, nerve supply & bursae.	K	KH	Y	Lecture	written		-	-
AN 17.1E	At the end of the session the phase 1 student must be able to demonstrate hip joint accurately in respect to articular surfaces, capsule, ligaments, relations, and muscles, blood supply, nerve supply.	S	SH	Y	Practical	Viva voce		-	-
AN 17.2	Describe anatomical basis of complications of fracture neck of femur	K	KH	N	Lecture	Written/ Viva voce		Orthopedics	
AN 17.2A	At the end of the session the phase 1 student should be able to enumerate the types of fracture neck of femur correctly.	K	K	N	Lecture	written		-	-
AN 17.2B	At the end of the session the phase 1 student should be able to describe anatomical basis of complications of fracture neck of femur correctly.	K	KH	N	Lecture	written		-	-
AN 17.3	Describe dislocation of hip joint and surgical hip replacement	K	KH	N	Lecture	Written/ Viva voce		Orthopedics	
AN 17.3A	At the end of the session the phase 1 student should be able to enumerate the causes of hip joint dislocation correctly.	K	K	N	Lecture	written		-	-
AN 17.3B	At the end of the session the phase 1 student should be able to describe dislocation hip joint correctly.	K	KH	N	Lecture	written		-	-
AN 17.3C	At the end of the session the phase 1 student should be able to describe surgical hip replacement correctly.	K	KH	N	Lecture	written		-	-
	Topic: Knee joint, Anterior compartment of leg & dorsum of foot								
AN 18.1	Describe and demonstrate major muscles of anterior compartment of leg with their attachment, nerve supply and actions	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN 18.1A	At the end of the session the phase 1 student must be able to list the muscles of anterior compartment of leg correctly.	K	K	Y	Lecture	written		-	-
AN 18.1B	At the end of the session the phase 1 student must be able to tabulate the muscles of anterior compartment of leg correctly in respect to their origin, insertion, nerve supply & action.	K	KH	N	Lecture	written		-	-
AN 18.1C	At the end of the session the phase 1 student must be able to demonstrate the muscles of anterior compartment of leg accurately.	S	SH	Y	Practical	Viva voce		-	-
AN 18.2	Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior compartment of leg	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			

AN 18.2A	At the end of the session the phase 1 student must be able to list important nerves of anterior compartment of leg correctly.	K	K	Y	Lecture	written		-	-
AN 18.2B	At the end of the session the phase 1 student must be able to list important vessels of anterior compartment of leg correctly.	K	K	Y	Lecture	written		-	-
AN 18.2C	At the end of the session the phase 1 student must be able to explain important nerves of anterior compartment of leg correctly in respect to their origin, course, relations, branches, termination.	K	KH	Y	Lecture	written		-	-
AN 18.2D	At the end of the session the phase 1 student must be able to explain important vessels of anterior compartment of leg correctly in respect to their origin, course, relations, branches, tributaries.	K	KH	Y	Lecture	written		-	-
AN 18.2E	At the end of the session the phase 1 student must be able to demonstrate important vessels of anterior compartment of leg accurately in relation to their origin, course, relations, branches (tributaries), termination.	K	SH	Y	Practical	Viva voce		-	-
AN 18.2F	At the end of the session the phase 1 student must be able to demonstrate important nerves of anterior compartment of leg accurately in relation to their origin, course, relations, branches & termination.	K	SH	Y	Practical	Viva voce		-	-
AN 18.3	Explain the anatomical basis of foot drop	K	KH	Y	Lecture, DOAP session	Written/ Viva voce		-	-
AN 18.3A	At the end of the session the phase 1 student must be able to write the causes of foot drop correctly.	K	K	Y	Lecture	written		-	-
AN 18.3B	At the end of the session the phase 1 student must be able to explain the anatomical basis of foot drop correctly.	K	KH	Y	Lecture	written		-	-
AN 18.4	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	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		-	-
AN 18.4A	At the end of the session the phase 1 student must be able to enumerate ligaments the knee joint correctly.	K	K	Y	Lecture	written		-	-
AN 18.4B	At the end of the session the phase 1 student must be able to enumerate muscles producing various movements at the knee joint correctly.	K	K	Y	Lecture	written		-	-
AN 18.4C	At the end of the session the phase 1 student must be able to enumerate bursae around the knee joint correctly.	K	K	Y	Lecture	written		-	-
AN 18.4D	At the end of the session the phase 1 student must be able to describe the knee joint correctly in respect to its type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements & muscles involved, blood supply, nerve supply & bursae.	K	KH	Y	Lecture	written		-	-
AN 18.4E	At the end of the session the phase 1 student must be able to demonstrate knee joint accurately in respect to its type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements & muscles involved, blood supply, nerve supply.	K	SH	Y	Practical	Viva voce		-	-

AN 18.5	Explain the anatomical basis of locking and unlocking of the knee joint	K	KH	Y	Small group teaching	Written /Viva voce		-	-
AN 18.5A	At the end of the session the phase 1 student must be able to define locking of knee joint correctly.	K	K	Y	Small group teaching	written		-	-
AN 18.5B	At the end of the session the phase 1 student must be able to define unlocking of knee joint correctly.	K	K	Y	Small group teaching	written		-	-
AN 18.5C	At the end of the session the phase 1 student must be able to summarize mechanism of locking of knee joint correctly.	K	KH	Y	Small group teaching	Written		-	-
AN 18.5D	At the end of the session the phase 1 student must be able to summarize mechanism of unlocking of knee joint correctly.	K	KH	Y	Small group teaching	Written		-	-
AN 18.5E	At the end of the session the phase 1 student must be able to Explain the anatomical basis of locking of knee joint accurately.	K	KH	Y	Small group teaching	viva voce		-	-
AN 18.5F	At the end of the session the phase 1 student must be able to Explain the anatomical basis of unlocking of knee joint accurately.	K	KH	Y	Small group teaching	Viva voce		-	-
AN 18.6	Describe knee joint injuries with its applied anatomy	K	KH	N	Lecture	writtenViva voce		-	-
AN 18.6A	At the end of the session the phase 1 student should be able to list the injuries of the knee joint correctly.	K	K	N	Lecture	written		-	-
AN 18.6B	At the end of the session the phase 1 student should be able to discuss knee joint injuries with its applied anatomy correctly.	K	KH	N	Lecture	written		-	-
AN 18.7	Explain anatomical basis of Osteoarthritis	K	KH	N	Lecture	Written/Viva voce		-	-
AN 18.7A	At the end of the session the phase 1 student should be able to define osteoarthritis	K	K	N	Lecture	Viva voce		-	-
AN 18.7B	At the end of the session the phase 1 student should be able to Explain the anatomical basis of osteoarthritis accurately.	K	KH	N	Lecture	written		-	-
	<u>Back of Leg Topic& Sole</u>								
AN 19.1	Describe and demonstrate the major muscles of back of leg with their attachment, nerve supply and actions	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		-	-
AN 19.1A	At the end of the session the phase 1 student must be able to name the muscles of the back of leg correctly.	K	K	Y	Lecture	written		-	-
AN 19.1B	At the end of the session the phase 1 student must be able to describe the muscles of the back of leg correctly in respect to their origin, insertions, nerve supply & action.	K	KH	Y	Lecture	written		-	-
AN 19.1C	At the end of the session the phase 1 student must be able to dissect the muscles of the back of leg accurately in respect to their origin, insertions, nerve supply.	K	SH	Y	Practical	Viva voce		-	-

AN 19.2	Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of leg	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN 19.2A	At the end of the session the phase 1 student must be able to list the important nerves of the back of leg correctly.	K	K	Y	Lecture	written		-	-
AN 19.2B	At the end of the session the phase 1 student must be able to list the important vessels of the back of leg correctly.	K	K	Y	Lecture	written		-	-
AN 19.2C	At the end of the session the phase 1 student must be able to Describe the important vessels of the back of leg accurately in respect to its origin, course, relations, branches (or tributaries) & termination.	K	KH	Y	Lecture	written		-	-
AN 19.2D	At the end of the session the phase 1 student must be able to Describe the important nerves of the back of leg accurately in respect to its origin, course, relations, branches & termination.	K	KH	Y	Lecture	written		-	-
AN 19.2E	At the end of the session the phase 1 student must be able to Dissect the important vessels of the back of leg correctly in respect to its origin, course, relations, branches (or tributaries) & termination.	K	SH	Y	Practical	Viva voce		-	-
AN 19.2F	At the end of the session the phase 1 student must be able to Describe the important nerves of the back of leg correctly in respect to its origin, course, relations, branches & termination.	K	SH	Y	Practical	Viva voce		-	-
AN 19.3	Explain the concept of "Peripheral heart"	K	KH	Y	Lecture	Written/ Viva voce		General Surgery	
AN 19.3A	At the end of the session the phase 1 student must be able to indicate what is Peripheral heart.	K	K	Y	Lecture	written		-	-
AN 19.3B	At the end of the session the phase 1 student must be able to explain the concept of Peripheral heart.	K	KH	Y	Lecture	written		-	-
AN 19.4	Explain the anatomical basis of rupture of calcaneal tendon	K	KH	N	Lecture	Written/ Viva voce		Orthopedics	-
AN 19.4A	At the end of the session the phase 1 student should be able to tell the attachments of Tendoachilis correctly.	K	K	N	Lecture	written		-	-
AN 19.4B	At the end of the session the phase 1 student should be able to explain the anatomical basis of rupture of calcaneal tendon correctly.	K	KH	N	Lecture	written		-	-
AN 19.5	Describe factors maintaining importance arches of the foot with its importance	K	KH	Y	Lecture	Written/ Viva voce			-
AN 19.5A	At the end of the session the phase 1 student must be able to classify the arches of foot correctly.	K	K	Y	Lecture	written		-	-
AN 19.5B	At the end of the session the phase 1 student must be able to enumerate the function of arches of foot correctly.	K	K	Y	Lecture	written		-	-
AN 19.5C	At the end of the session the phase 1 student must be able to discuss the formation of important arches of foot correctly.	K	KH	Y	Lecture	written		-	-

AN 19.5D	At the end of the session the phase 1 student must be able to describe the factors maintaining important arches of foot correctly.	K	KH	Y	Lecture	written		-	-
AN 19.5E	At the end of the session the phase 1 student must be able to describe the importance of the factors maintaining important arches of foot correctly.	K	KH	Y	Lecture	written		-	-
AN 19.6	Explain the anatomical basis of Flat foot & Club foot	K	KH	N	Lecture	Written/ Viva voce		Orthopedics	-
AN 19.6A	At the end of the session the phase 1 student should be able to define flat foot correctly.	K	K	N	Lecture	written		-	-
AN 19.6B	At the end of the session the phase 1 student should be able to define club foot correctly.	K	K	N	Lecture	written		-	-
AN 19.6C	At the end of the session the phase 1 student should be able to explain anatomical basis of flat foot correctly.	K	KH	N	Lecture	written		-	-
AN 19.6D	At the end of the session the phase 1 student should be able to explain anatomical basis of club foot correctly.	K	KH	N	Lecture	written		-	-
AN 19.7	Explain the anatomical basis of Metatarsalgia & Plantar fasciitis	K	KH	N	Lecture	Written/ Viva voce		Orthopedics	-
AN 19.7A	At the end of the session the phase 1 student should be able to define metatarsalgia correctly.	K	K	N	Lecture	written		-	-
AN 19.7B	At the end of the session the phase 1 student should be able to explain anatomical basis of metatarsalgia correctly.	K	KH	N	Lecture	written		-	-
AN 19.7C	At the end of the session the phase 1 student should be able to explain anatomical basis of Plantar fasciitis correctly.	K	KH	N	Lecture	written		-	-
	Topic: General Features, Joints, radiographs & surface marking							-	-
AN 20.1	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	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			-
AN 20.1A	At the end of the session the phase 1 student must be able to name the ligaments of tibiofibular joint correctly.	K	K	Y	Lecture	written		-	-
AN 20.1B	At the end of the session the phase 1 student must be able to name the ligaments of Ankle joint correctly.	K	K	Y	Lecture	written		-	-
AN 20.1C	At the end of the session the phase 1 student must be able to describe the tibiofibular joint correctly in respect to type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscle involved, blood supply & nerve supply.	K	KH	Y	Lecture	written		-	-
AN 20.1D	At the end of the session the phase 1 student must be able to describe the ankle joint correctly in respect to type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscle involved, blood supply & nerve supply.	K	KH	Y	Lecture	written		-	-

AN 20.1E	At the end of the session the phase 1 student must be able to demonstrate the tibiofibular joint accurately in respect to articular surfaces, capsule, synovial membrane, ligaments, relations, muscle involved, blood supply & nerve supply.	K	SH	Y	Practical	Viva voce		-	-
AN 20.1F	At the end of the session the phase 1 student must be able to demonstrate the ankle joint accurately in respect to articular surfaces, capsule, synovial membrane, ligaments, relations, muscle involved, blood supply & nerve supply.	K	SH	Y	Practical	Viva voce		-	-
AN 20.2	Describe the subtalar and transverse tarsal joints	K	KH	N	Lecture, DOAP session	Written/ Viva voce		-	-
AN 20.2A	At the end of the session the phase 1 student should be able to enumerate the bones articulating in transverse subtalar joint correctly.	K	K	N	Lecture	written		-	-
AN 20.2B	At the end of the session the phase 1 student should be able to enumerate the bones articulating in transverse tarsal joint correctly.	K	K	N	Lecture	written		-	-
AN 20.2C	At the end of the session the phase 1 student should be able to describe various aspects of subtalar joint correctly.	K	KH	N	Lecture	written		-	-
AN 20.2D	At the end of the session the phase 1 student must be able to describe various aspects of transverse tarsal joint correctly.	K	KH	N	Lecture	written		-	-
AN 20.3	Describe and demonstrate Fascia lata, Venous drainage, Lymphatic drainage, Retinacula & Dermatomes of lower limb	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		-	-
AN 20.3A	At the end of the session the phase 1 student must be able to enumerate the modification of Fascia lata of lower limb correctly.	K	K	Y	Lecture	written		-	-
AN 20.3B	At the end of the session the phase 1 student must be able to enumerate the veins of the lower limb correctly.	K	K	Y	Lecture	written		-	-
AN 20.3C	At the end of the session the phase 1 student must be able to describe the Fascia lata of lower limb correctly.	K	KH	Y	Lecture	written		-	-
AN 20.3D	At the end of the session the phase 1 student must be able to describe the Venous drainage of lower limb correctly.	K	KH	Y	Lecture	written		-	-
AN 20.3E	At the end of the session the phase 1 student must be able to describe the Lymphatic drainage of lower limb correctly.	K	KH	Y	Lecture	written		-	-
AN 20.3F	At the end of the session the phase 1 student must be able to describe the Retinacula of lower limb in respect to their attachment & structures related correctly.	K	KH	Y	Lecture	written		-	-
AN 20.3G	At the end of the session the phase 1 student must be able to describe the Dermatomes of lower limb correctly.	K	KH	Y	Lecture	written		-	-
AN 20.3H	At the end of the session the phase 1 student must be able to identify the Fascia lata of lower limb correctly.	K	SH	Y	Practical	Viva voce		-	-
AN 20.3I	At the end of the session the phase 1 student must be able to dissect the Veins of lower limb accurately.	K	SH	Y	Practical	Viva voce		-	-
AN 20.3J	At the end of the session the phase 1 student must be able to dissect the Retinacula of structure of lower limb accurately.	K	SH	Y	Practical	Viva voce		-	-

AN 20.4	Explain anatomical basis of enlarged inguinal lymph nodes	K	KH	N	Lecture	Written/ Viva voce		General Surgery	
AN 20.4A	At the end of the session the phase 1 student should be able to enumerate the areas drained by inguinal lymph nodes correctly.	K	K	N	Lecture	written		-	-
AN 20.4B	At the end of the session the phase 1 student should be able to explain anatomical basis of enlarged lymph nodes correctly.	K	KH	N	Lecture	written		-	-
AN 20.5	Explain anatomical basis of varicose veins and deep vein thrombosis	K	KH	Y	Lecture	Written/ Viva voce		General Surgery	
AN 20.5A	At the end of the session the phase 1 student must be able to define varicose veins of the lower limb correctly.	K	K	Y	Lecture	written		-	-
AN 20.5C	At the end of the session the phase 1 student must be able to causes of varicose veins of the lower limb correctly.	K	K	Y	Lecture	written		-	-
AN 20.5D	At the end of the session the phase 1 student must be able to explain the anatomical basis of deep vein thrombosis correctly.	K	KH	Y	Lecture	written		-	-
AN 20.6	Identify the bones and joints of lower limb seen in anteroposterior and lateral view radiographs of various regions of lower limb	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		Radiodiagnosis	
AN 20.6A	At the end of the session the phase 1 student must be able to enumerate the bones of lower limb correctly.	K	K	Y	Lecture	written		-	-
AN 20.6B	At the end of the session the phase 1 student must be able to enumerate the joints in lower limb correctly.	K	K	Y	Lecture	written		-	-
AN 20.6C	At the end of the session the phase 1 student must be able to identify the bones of lower limb in anteroposterior view in radiograph correctly.	S	SH	Y	Practical	Viva voce			-
AN 20.6D	At the end of the session the phase 1 student must be able to identify the joints of lower limb in anteroposterior view in radiograph correctly.	S	SH	Y	Practical	Viva voce			-
AN 20.6E	At the end of the session the phase 1 student must be able to identify the joints of lower limb in lateral view in radiograph correctly.	S	SH	Y	Practical	Viva voce			-
AN 20.6F	At the end of the session the phase 1 student must be able to identify the bones of lower limb in lateral view in radiograph correctly.	S	SH	Y	Practical	Viva voce			-
AN 20.7	Identify & demonstrate important bony landmarks of lower limb: -Vertebral levels of highest point of iliac crest, posterior superior iliac spines, iliac tubercle, pubic tubercle, ischial tuberosity, adductor tubercle. -Tibial tuberosity, head of fibula, -Medial and lateral malleoli, Condyles of femur and tibia, sustentaculum tali, tuberosity of fifth metatarsal, tuberosity of the navicular	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			

AN 20.7A	At the end of the session the phase 1 student must be able to Tell the surface marking of the landmarks of lower limb correctly in respect to highest point of iliac crest, posterior superior iliac spines, iliac tubercle, pubic tubercle, ischial tuberosity, correctly.	K	K	Y	practical	written		-	-
AN 20.7B	At the end of the session the phase 1 student must be able to Tell the surface marking of the landmarks of lower limb correctly in respect to adductor tubercle, Tibial tuberosity, head of fibula, Medial and lateral malleoli, Condyles of femur and tibia, sustentaculum tali, tuberosity of fifth metatarsal, tuberosity of the navicular correctly.	K	K	Y	practical	written		-	-
AN 20.7C	At the end of the session the phase 1 student must be able to demonstrate the surface marking of the landmarks of lower limb correctly in respect to highest point of iliac crest, posterior superior iliac spines, iliac tubercle, pubic tubercle, ischial tuberosity, correctly.	K	SH	Y	Practical	Viva voce		-	-
AN 20.7D	At the end of the session the phase 1 student must be able to demonstrate the surface marking of the landmarks of lower limb correctly in respect to adductor tubercle, Tibial tuberosity, head of fibula, Medial and lateral malleoli, Condyles of femur and tibia, sustentaculum tali, tuberosity of fifth metatarsal, tuberosity of the navicular correctly.	K	SH	Y	Practical	Viva voce		-	-
AN 20.8	Identify & demonstrate palpation of femoral, popliteal, post tibial, anti tibial & dorsalis pedis blood vessels in a simulated environment	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Medicine	
AN 20.8A	At the end of the session the phase 1 student must be able to tell the surface marking of blood vessels of lower limb correctly in respect to femoral, popliteal, post tibial, anti tibial & dorsalis pedis vessels.	K	K	Y	practical	written		-	-
AN 20.8B	At the end of the session the phase 1 student must be able to demonstrate the palpation of lower limb correctly in respect to femoral, popliteal, post tibial, anti tibial & dorsalis pedis vessels in a simulated environment.	K	SH	Y	Practical	Viva voce		-	-
AN 20.9	Identify & demonstrate Palpation of vessels (femoral, popliteal,dorsalis pedis,post tibial), Mid inguinal point, Surface projection of: femoral nerve, Saphenous opening, Sciatic, tibial, common peroneal & deep peroneal nerve, Great and small saphenous veins	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Medicine, General Surgery	
AN 20.9A	At the end of the session the phase 1 student must be able to identify surface marking of lower limb in respect to Mid inguinal point, Surface projection of: femoral nerve, Saphenous opening, Sciatic, tibial, common peroneal & deep peroneal nerve, Great and small saphenous veins correctly	K	K	Y	practical	Viva voce		-	-

AN 20.9B	At the end of the session the phase 1 student must be able to identify important surface landmarks of lower limb correctly in respect to Mid inguinal point, Surface projection of: femoral nerve, Saphenous opening, Sciatic, tibial, common peroneal & deep peroneal nerve, Great and small saphenous veins	K	K	Y	practical	Viva voce	-	-
AN 20.9C	At the end of the session the phase 1 student must be able to demonstrate palpation of vessels of lower limb accurately in respect to femoral, popliteal, dorsalis pedis, post tibial artery	S	SH	Y	Practical	Viva voce	-	-
AN 20.10	Describe basic concept of development of lower limb	K	KH	N	Lecture	Viva voce		
AN 20.10A	At the end of the session the phase 1 student should be able to list the development events in formation of lower limb correctly.	K	K	N	Lecture	Viva voce	-	-
AN 20.10B	At the end of the session the phase 1 student should be able to describe the basic concept of development of lower limb correctly.	K	KH	N	Lecture	Viva voce	-	-
AN 21.1	Identify and describe the salient features of sternum, typical rib, 1st rib and typical thoracic vertebra	K/S	SH	Y	Lecture, DOAP session	Viva voce/ skill assessment		
AN 21.1A	At the end of the session the phase 1 student must be able to Enumerate the general features of sternum correctly.	K	K	Y	Lecture	Viva voce	-	-
AN 21.1B	At the end of the session the phase 1 student must be able to Enumerate the general features of typical ribs correctly.	K	K	Y	Lecture	Viva voce	-	-
AN 21.1C	At the end of the session the phase 1 student must be able to enumerate general features of typical thoracic vertebra correctly.	K	K	Y	Lecture	Viva voce	-	-
AN 21.1D	At the end of the session the phase 1 student must be able to enumerate general features of 1st rib correctly.	K	K	Y	Lecture	Viva voce		
AN 21.1E	At the end of the session the phase 1 student must be able to describe the salient features of sternum correctly.	K	KH	Y	Lecture	Viva voce	-	-
AN 21.1F	At the end of the session the phase 1 student must be able to describe the salient features of 1st rib correctly.	K	KH	Y	Lecture	Viva voce	-	-
AN 21.1G	At the end of the session the phase 1 student must be able to describe the salient features of typical ribs correctly.	K	KH	Y	Lecture	Viva voce	-	-
AN 21.1H	At the end of the session the phase 1 student must be able to describe the salient features of typical thoracic vertebra correctly.	K	KH	Y	Lecture	Viva voce	-	-
AN 21.1I	At the end of the session the phase 1 student must be able to demonstrate the salient features of sternum correctly.	S	SH	Y	Practical	Viva voce		-
AN 21.1J	At the end of the session the phase 1 student must be able to demonstrate the salient features of typical ribs correctly.	S	SH	Y	Practical	Viva voce		-
AN 21.1K	At the end of the session the phase 1 student must be able to demonstrate the salient features of 1st rib correctly.	S	SH	Y	Practical	Viva voce		
AN 21.1L	At the end of the session the phase 1 student must be able to demonstrate the salient features of typical thoracic vertebra correctly.	S	SH	Y	Practical	Viva voce		-
AN 21.2	Identify & describe the features of 2nd, 11th and 12th ribs, 1st, 11th and 12th thoracic vertebrae	K/S	SH	N	Lecture, DOAP session	Viva voce/ skill		

						assessment			
AN 21.2A	At the end of the session the phase 1 student should be able to list the general features of atypical ribs correctly in respect to 2nd, 11th and 12th ribs.	K	K	N	Lecture	Viva voce		-	-
AN 21.2B	At the end of the session the phase 1 student should be able to list the general features of thoracic vertebrae correctly in respect to 1st, 11th and 12th thoracic vertebrae.	K	K	N	Lecture	Viva voce		-	-
AN 21.2C	At the end of the session the phase 1 student should be able to describe the special features of thoracic vertebrae correctly in respect to 1st, 11th and 12th thoracic vertebrae.	K	K	N	Lecture	Viva voce		-	-
AN 21.2D	At the end of the session the phase 1 student should be able to describe the special features of ribs correctly in respect to 2nd, 11th and 12th ribs	K	KH	N	Lecture	Viva voce		-	-
AN 21.2E	At the end of the session the phase 1 student should be able to Demonstrate the features of atypical ribs accurately in respect to 2nd, 11th and 12th ribs	K	SH	N	Practical	Viva voce			-
AN 21.2F	At the end of the session the phase 1 student should be able to Demonstrate the features of thoracic vertebrae accurately in respect to 1st, 11th and 12th thoracic vertebrae.	K	SH	N	Practical	Viva voce			-
AN 21.3	Describe & demonstrate the boundaries of thoracic inlet, cavity and outlet	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN 21.3A	At the end of the session the phase 1 student must be able to define thoracic inlet correctly in term of its boundaries.	K	K	Y	Lecture	Written		-	-
AN 21.3B	At the end of the session the phase 1 student must be able to define thoracic outlet correctly in term of its boundaries.	K	K	Y	Lecture	Written		-	-
AN 21.3C	At the end of the session the phase 1 student must be able to define thoracic cavity. correctly in term of its boundaries.	K	K	Y	Lecture	Written		-	-
AN 21.3D	At the end of the session the phase 1 student must be able to describe the boundaries of thoracic inlet correctly.	K	KH	Y	Lecture	Written		-	-
AN 21.3E	At the end of the session the phase 1 student must be able to describe the boundaries of thoracic outlet correctly.	K	KH	Y	Lecture	Written		-	-
AN 21.3F	At the end of the session the phase 1 student must be able to describe the boundaries of thoracic cavity correctly.	K	KH	Y	Lecture	Written		-	-
AN 21.3G	At the end of the session the phase 1 student must be able to demonstrate the boundaries of thoracic cavity accurately.	K	SH	Y	Practical	Viva voce			-
AN 21.3H	At the end of the session the phase 1 student must be able to demonstrate the boundaries of thoracic inlet accurately.	K	SH	Y	Practical	Viva voce			-
AN 21.3I	At the end of the session the phase 1 student must be able to the demonstrate boundaries of thoracic outlet accurately.	K	SH	Y	Practical	Viva voce			-
AN 21.4	Describe & demonstrate extent, attachments, direction of fibres, nerve supply and actions of intercostal muscles	K/S	SH	Y	Practical, Lecture, Small group discussion. DOAP	Written/ Viva voce/ skill assessment			

					teaching, DOAP session	assessment			
AN 21.4A	At the end of the session the phase 1 student must be able to name the intercostal muscles correctly	K	K	Y	Lecture	Written		-	-
AN 21.4B	At the end of the session the phase 1 student must be able to describe the intercostal muscles in respect to extent, attachments, direction of fibres, nerve supply and actions correctly	K	KH	Y	Lecture	Written		-	-
AN 21.4C	At the end of the session the phase 1 student must be able to demonstrate the intercostal muscles in respect to extent, attachments, direction of fibres, nerve supply and actions correctly.	K	SH	Y	Practical	Viva voce			-
AN 21.5	Describe & demonstrate origin, course, relations and branches of a typical intercostal nerve	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN 21.5A	At the end of the session the phase 1 student must be able to define typical intercostal nerve correctly.	K	K	Y	Lecture	Written		-	-
AN 21.5B	At the end of the session the phase 1 student must be able to describe a typical intercostal nerve correctly in respect to its origin, course, relations and branches	K	KH	Y	Lecture	Written		-	-
AN 21.5C	At the end of the session the phase 1 student must be able to demonstrate a typical intercostal nerve correctly in respect to its origin, course, relations and branches	K	SH	Y	Practical	Viva voce			-
AN 21.6	Mention origin, course and branches/ tributaries of: 1) anterior & posterior intercostal vessels 2) internal thoracic vessels	K	KH	Y	Practical, Lecture	Written/ Viva voce			
AN 21.6A	At the end of the session the phase 1 student must be able to mention the branches of anterior & posterior intercostal arteries correctly.	K	K	Y	Lecture	Written		-	-
AN 21.6B	At the end of the session the phase 1 student must be able to mention the branches of internal thoracic artery correctly.	K	K	Y	Lecture	written		-	-
AN 21.6C	At the end of the session the phase 1 student must be able to mention the tributaries of internal thoracic vein correctly.	K	K	Y	Lecture	Written		-	-
AN 21.6D	At the end of the session the phase 1 student must be able to mention the tributaries of anterior & posterior intercostal veins correctly.	K	K	Y	Lecture	Written		-	-
AN 21.6E	At the end of the session the phase 1 student must be able to describe anterior & posterior intercostal arteries correctly in respect to origin, course and branches.	K	KH	Y	Lecture	Written			
AN 21.6F	At the end of the session the phase 1 student must be able to describe internal thoracic artery correctly in respect to origin, course and branches.	K	KH	Y	Lecture	Written			

AN 21.6G	At the end of the session the phase 1 student must be able to describe internal thoracic vein correctly in respect to origin, course and tributaries .	K	KH	Y	Lecture	Written			
AN 21.6H	At the end of the session the phase 1 student must be able to describe anterior & posterior intercostal veins correctly in respect to origin, course and tributaries .	K	KH	Y	Lecture	Written			
AN 21.7	Mention the origin, course, relations and branches of 1) atypical intercostal nerve 2) superior intercostal artery, subcostal artery	K	KH	N	Lecture	Written			
AN 21.7A	At the end of the session the phase 1 student should be able to mention the origin of atypical intercostal nerve correctly	K	K	N	Lecture	Written		-	-
AN 21.7B	At the end of the session the phase 1 student should be able to mention the origin of superior intercostal artery, correctly	K	K	N	Lecture	Written		-	-
AN 21.7C	At the end of the session the phase 1 student should be able to mention the origin of subcostal artery correctly.	K	K	N	Lecture	Written		-	-
AN 21.7D	At the end of the session the phase 1 student should be able to describe the atypical intercostal nerve correctly in respect to its origin, course, relations and branches.	K	KH	N	Lecture	Written		-	-
AN 21.7E	At the end of the session the phase 1 student should be able to describe the superior intercostal artery correctly in respect to its origin, course, relations and branches.	K	KH	N	Lecture	Written		-	-
AN 21.7F	At the end of the session the phase 1 student should be able to describe the subcostal artery correctly in respect to its origin, course, relations and branches.	K	KH	N	Lecture	Written		-	-
AN 21.8	Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN 21.8A	At the end of the session the phase 1 student must be able to state the type of manubriosternal correctly.	K	K	Y	Lecture	Written		-	-
AN 21.8B	At the end of the session the phase 1 student must be able to state the type of costovertebral correctly.	K	K	Y	Lecture	Written		-	-
AN 21.8C	At the end of the session the phase 1 student must be able to state the type of costotransverse correctly.	K	K	Y	Lecture	Written		-	-
AN 21.8D	At the end of the session the phase 1 student must be able to state the type of xiphisternal correctly.	K	K	Y	Lecture	Written		-	-
AN 21.8E	At the end of the session the phase 1 student must be able to describe manubriosternal joint correctly in respect to its type, articular surfaces & movements.	K	KH	Y	Lecture	Written		-	-
AN 21.8F	At the end of the session the phase 1 student must be able to describe costovertebral joint correctly in respect to its type, articular surfaces & movements.	K	KH	Y	Lecture	Written		-	-

AN 21.8G	At the end of the session the phase 1 student must be able to describe costotransverse joint correctly in respect to its type, articular surfaces & movements.	K	KH	Y	Lecture	Written		-	-
AN 21.8H	At the end of the session the phase 1 student must be able to describe xiphisternal joint correctly in respect to its type, articular surfaces & movements.	K	KH	Y	Lecture	Written		-	-
AN 21.8I	At the end of the session the phase 1 student must be able to demonstrate joint of thorax accurately.	K	SH	Y	Practical	Viva voce			-
AN 21.9	Describe & demonstrate mechanics and types of respiration	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		-	Physiology
AN 21.9A	At the end of the session the phase 1 student must be able to name the type of respiration correctly.	K	K	Y	Lecture	Written		-	-
AN 21.9B	At the end of the session the phase 1 student must be able to describe the mechanics of respiration correctly.	K	KH	Y	Lecture	Written		-	Physiology
AN 21.9C	At the end of the session the phase 1 student must be able to demonstrate the mechanics of respiration accurately.	K	SH	Y	Practical	Viva voce			Physiology
AN21.10	Describe costochondral and interchondral joints	K	KH	N	Lecture	Written			
AN21.10A	At the end of the session the phase 1 student should be able to describe interchondral joints correctly.	K	KH	N	Lecture	Written		-	-
AN21.10B	At the end of the session the phase 1 student must be able to describe costochondral correctly.	K	KH	N	Lecture	Written		-	-
AN21.11	Mention boundaries and contents of the superior, anterior, middle and posterior mediastinum	K	KH	Y	Practical/ Lecture	Written viva voce			
AN21.11A	At the end of the session the phase 1 student must be able to mention the boundaries of superior mediastinum correctly.	K	K	Y	Lecture	Written		-	-
AN21.11B	At the end of the session the phase 1 student must be able to mention the boundaries of anterior mediastinum correctly.	K	K	Y	Lecture	Written		-	-
AN21.11C	At the end of the session the phase 1 student must be able to mention the boundaries of middle mediastinum correctly.	K	K	Y	Lecture	Written		-	-
AN21.11D	At the end of the session the phase 1 student must be able to mention the boundaries of posterior mediastinum correctly.	K	K	Y	Lecture	Written		-	-
AN21.11E	At the end of the session the phase 1 student must be able to describe superior mediastinum in respect to boundaries & contents correctly.	K	KH	Y	Lecture	Written		-	-
AN21.11F	At the end of the session the phase 1 student must be able to describe anterior in respect to boundaries & contents correctly.	K	KH	Y	Lecture	Written		-	-
AN21.11G	At the end of the session the phase 1 student must be able to describe middle in respect to boundaries & contents correctly.	K	KH	Y	Lecture	Written		-	-
AN21.11H	At the end of the session the phase 1 student must be able to describe posterior in respect to boundaries & contents correctly.	K	KH	Y	Lecture	Written		-	-

AN22.1	Describe & demonstrate subdivisions, sinuses in pericardium, blood supply	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
	and nerve supply of pericardium								
AN22.1A	AT the end of session the Phase 1 student must be able to define the pericardium correctly.	K	K	Y	Lecture	Written	---	---	---
AN22.1B	AT the end of session the Phase 1 student must be able to describe sub divisions of pericardium correctly.	K	K	Y	Lecture	Written	---	---	---
AN22.1C	AT the end of session the Phase 1 student must be able to describe sinuses of pericardium correctly	K	K	Y	Lecture	Written	---	----	---
AN 22.1D	AT the end of session the Phase 1 student must be able to describe Blood supply of pericardium correctly	K	K	Y	Lecture	Written	---	---	---
AN22.1E	AT the end of session the Phase 1 student must be able to describe nerve supply of pericardium correctly	K	K	Y	Lecture	Written	---	----	---
AN22.1F	AT the end of session the Phase 1 student must be able to demonstrate sub divisions of pericardium on the cadaver correctly	K	SH	Y	Practical	Viva voce	-----	-----	-----
AN22.1G	AT the end of session the Phase 1 student must be able to demonstrate sinuses of pericardium on the cadaver correctly	K	SH	Y	Practical	Viva voce	-----	-----	-----
AN22.1H	AT the end of session the Phase 1 student must be able to demonstrate blood supply of pericardium on the cadaver correctly	K	SH	Y	Practical	Viva voce	-----	-----	-----
AN22.1I	AT the end of session the Phase 1 student must be able to demonstrate nerve supply of pericardium on the cadaver correctly	K	SH	Y	Practical	Viva voce	-----	-----	-----
AN22.2	Describe & demonstrate external and internal features of each chamber of	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		----	Physiology
	heart								
AN22.2A	AT the end of session the Phase 1 student must be able to describe external features of each chamber of heart correctly	K	K	Y	Lecture	Written	---	-----	----
AN22.2B	AT the end of session the Phase 1 student must be able to describe internal features of each chamber of heart correctly	K	K	Y	Lecture	Written	---	-----	----
AN22.2C	AT the end of session the Phase 1 student must be able to demonstrate external features of each chamber of heart on the cadaver correctly	K	SH	Y	Practical	Viva voce	-----	-----	
AN22.2D	AT the end of session the Phase 1 student must be able to demonstrate internal features of each chamber of heart on the cadaver correctly	K	SH	Y	Practical	Viva voce	-----	-----	

AN22.3	Describe & demonstrate origin, course and branches of coronary arteries	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			Physiology
AN22.3A	AT the end of session the Phase 1 student must be able to describe origin & course of coronary arteries correctly	K	K	Y	Lecture	Written	---	----	----
AN22.3B	AT the end of session the Phase 1 student must be able to describe branches of coronary arteries correctly	K	K	Y	Lecture	Written	---	----	----
AN22.3C	AT the end of session the Phase 1 student must be able to demonstrate origin & course of coronary arteries on the cadaver properly	K	SH	Y	Practical	Viva voce	----	----	
AN22.3D	AT the end of session the Phase 1 student must be able to demonstrate branches of coronary arteries on the cadaver properly	K	SH	Y	Practical	Viva voce	----	----	
AN22.4	Describe anatomical basis of ischemic heart disease	K/S	KH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Medicine	Physiology
AN22.4A	AT the end of session the Phase 1 student must be able to define ischemic heart disease correctly.	K	K	Y	Lecture	Written	---	----	----
AN22.4B	AT the end of session the Phase 1 student must be able to describe anatomical basis of ischemic heart disease correctly.	K	KH	Y	Lecture	Written	---		
AN22.5	Describe & demonstrate the formation, course, tributaries and termination of coronary sinus	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN22.5A	AT the end of session the Phase 1 student must be able to describe the formation & course of coronary sinus accurately	K	K	Y	Lecture	Written	---	----	----
AN22.5B	AT the end of session the Phase 1 student must be able to describe the tributaries and termination of coronary sinus accurately	K	K	Y	Lecture	Written	---	----	----
AN22.5C	AT the end of session the Phase 1 student must be able to demonstrate the formation & course of coronary sinus on the cadaver accurately	K	SH	Y	Practical	Viva voce	---	-----	----
AN22.5D	AT the end of session the Phase 1 student must be able to demonstrate the tributaries and termination of coronary sinus on the cadaver accurately	K	SH	Y	Practical	Viva voce	---	-----	----

AN22.6	Describe the fibrous skeleton of heart	K	KH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN22.6A	AT the end of session the Phase 1 student must be able to give the details of fibrous skeleton of heart accurately	K	KH	Y	Lecture	Written	---	---	--
AN22.7	Mention the parts, position and arterial supply of the conducting system of heart	K	KH	Y	Practical, Lecture, Small group discussion,	Written/ Viva voce/ skill assessment		General Medicine	Physiology
AN22.7A	AT the end of session the Phase 1 student must be able to mention the parts of the conducting system of heart correctly	K	K	Y	Lecture	Written	-----		
AN22.7B	AT the end of session the Phase 1 student must be able to mention the position of the conducting system of heart correctly	K	KH	Y	Lecture	Written	-----		physiology
AN22.7C	AT the end of session the Phase 1 student must be able to mention the arterial supply of the conducting system of heart correctly	K	KH	Y	Lecture	Written	-----		
AN23.1	Describe & demonstrate the external appearance, relations, blood supply, nerve supply, lymphatic drainage and applied anatomy of oesophagus	K/S	SH	Y	Practical, Lecture, DOAP session	Written/ Viva voce Written/ Viva voce/ skill assessment		General Surgery	
AN23.1A	AT the end of session the Phase 1 student must be able to give detail of external appearance & relation of the oesophagus correctly	K	K	Y	Lecture	Written	--	---	----
AN23.1B	AT the end of session the Phase 1 student must be able to mention the nerve supply of oesophagus correctly	K	K	Y	Lecture	Written	--	---	----
AN23.1C	AT the end of session the Phase 1 student must be able to mention the blood supply& lymphatic drainage of oesophagus correctly	K	K	Y	Lecture	Written	--	---	----
AN23.1D	AT the end of session the Phase 1 student must be able to describe the applied anatomy of oesophagus correctly	K	KH	Y	Lecture	Written	--	---	----
AN23.1E	AT the end of session the Phase 1 student must be able to demonstrate of external appearance of the oesophagus on the cadaver correctly	K	SH	Y	Practical	Viva voce			----
AN23.1F	AT the end of session the Phase 1 student must be able to demonstrate of relation of the oesophagus on the cadaver correctly	K	SH	Y	Practical	Viva voce			----

AN23.2	Describe & demonstrate the extent, relations tributaries of thoracic duct and enumerate its applied anatomy	K/S	SH	Y	Practical, Lecture, DOAP session	Written/ Viva voce Written/ Viva voce/ skill assessment		General Surgery	
AN23.2A	AT the end of session the Phase 1 student must be able to define thoracic duct accurately	K	K	Y	Lecture	Written	--	---	----
AN23.2B	AT the end of session the Phase 1 student must be able to describe external relation of thoracic duct accurately	K	K	Y	Lecture	Written	--	---	----
AN23.2C	AT the end of session the Phase 1 student must be able to describe tributaries of thoracic duct accurately	K	K	Y	Lecture	Written	--	---	----
AN23.2D	AT the end of session the Phase 1 student must be able to enumerate the applied anatomy of thoracic duct accurately	K	KH	Y	Lecture	Written	--	---	----
AN23.2E	AT the end of session the Phase 1 student must be able to demonstrate external relation of thoracic duct on the cadaver accurately	K	SH	Y	Practical	Viva voce			----
AN23.3	Describe & demonstrate origin, course, relations, tributaries and termination of superior venacava, azygos, hemiazygos and accessory hemiazygos veins	K/S	SH	Y	Practical, Lecture, DOAP session	Written/ Viva voce Written/ Viva voce/ skill assessment			
AN23.3A	AT the end of session the Phase 1 student must be able to define superior venacava correctly	K	K	Y	Lecture	Written	----	----	-----
AN23.3B	AT the end of session the Phase 1 student must be able to Describe origin, course,relations, tributaries and termination of superior venacava correctly	K	KH	Y	Lecture	Written	----	----	-----
AN23.3C	AT the end of session the Phase 1 student must be able to Describe origin, course,relations, tributaries and termination of azygos veins correctly	K	KH	Y	Lecture	Written	----	----	-----
AN23.3D	AT the end of session the Phase 1 student must be able to Describe origin, course, relations, tributaries and termination of hemiazygos veins correctly	K	KH	Y	Lecture	Written	----	----	-----
AN23.3E	AT the end of session the Phase 1 student must be able to Describe origin, course, relations, tributaries and termination of accessory hemiazygos veins correctly	K	KH	Y	Lecture	Written	----	----	-----
AN23.3F	AT the end of session the Phase 1 student must be able to demonstrate origin, course, relations, tributaries and termination of superior venacava on the cadaver properly	K	SH	Y	Practical	Viva Voce		----	-----
AN23.3G	AT the end of session the Phase 1 student must be able to demonstrate origin, course, relations, tributaries and termination of azygos veins on the cadaver properly	K	SH	Y	Practical	Viva Voce		----	-----

AN23.3H	AT the end of session the Phase 1 student must be able to demonstrate origin, course, relations, tributaries and termination of hemiazygos veins on the cadaver properly	K	SH	Y	Practical	Viva Voce		----	-----
AN23.3I	AT the end of session the Phase 1 student must be able to demonstrate origin, course, relations, tributaries and termination of accessory hemiazygos veins on the cadaver properly	K	SH	Y	Practical	Viva Voce		----	-----
AN23.4	Mention the extent, branches and relations of arch of aorta & descending thoracic aorta	K	KH	Y	Lecture / practical	Written / Viva Voce			
AN23.4A	AT the end of session the Phase 1 student must be able to define arch of aorta correctly	K	K	Y	Lecture	Written	----	----	----
AN23.4B	AT the end of session the Phase 1 student must be able to define thoracic aorta correctly	K	K	Y	Lecture	Written	----	----	----
AN23.4C	AT the end of session the Phase 1 student must be able to Mention the extent of arch of aorta correctly	K	KH	Y	Lecture	Written	----	----	----
AN23.4D	AT the end of session the Phase 1 student must be able to Mention the branches of arch of aorta correctly	K	KH	Y	Lecture	Written	----	----	----
AN23.4E	AT the end of session the Phase 1 student must be able to Mention the relations of arch of aorta correctly	K	KH	Y	Lecture	Written	----	----	----
AN23.4F	AT the end of session the Phase 1 student must be able to Mention the extent of descending thoracic aorta correctly	K	KH	Y	Lecture	Written	----	----	----
AN23.4G	AT the end of session the Phase 1 student must be able to Mention the branches descending thoracic aorta correctly	K	KH	Y	Lecture	Written	----	----	----
AN23.4H	AT the end of session the Phase 1 student must be able to Mention the relations of descending thoracic aorta correctly	K	KH	Y	Lecture	Written	----	----	----
AN23.5	Identify & Mention the location and extent of thoracic sympathetic chain	K/S	SH	Y	Practical, Lecture, DOAP session	Written/ Viva voce Written/ Viva voce/ skill assessment			
AN23.5A	AT the end of session the Phase 1 student must be able to describe the thoracic sympathetic chain correctly	K	K	Y	Lecture	Written	-----	-----	-----
AN23.5B	AT the end of session the Phase 1 student must be able to describe extent of thoracic sympathetic chain correctly	K	KH	Y	Lecture	Written	-----	-----	-----
AN23.5C	AT the end of session the Phase 1 student must be able to Identify the location thoracic sympathetic chain on the cadaver correctly	K	SH	Y	Practical	Viva voce		----	-----
AN23.6	Describe the splanchnic nerves	K	KH	N	Lecture	Written	-----	-----	-----
AN23.6A	AT the end of session the Phase 1 student should be able to enumerate the splanchnic nerves correctly	K	K	N	lecture	Written	----	----	---
AN23.6A	AT the end of session the Phase 1 student should be able to Describe the splanchnic nerves correctly	K	KH	N	lecture	Written	----	----	---

AN23.7	Mention the extent, relations and applied anatomy of lymphatic duct	K	KH	Y	lecture	Written	----	General surgery	---
AN23.7A	AT the end of session the Phase 1 student must be able to Mention the extent of lymphatic duct correctly	K	K	Y	lecture	Written	----	-----	---
AN23.7B	AT the end of session the Phase 1 student must be able to Mention relations of lymphatic duct correctly	K	K	Y	lecture	Written	----	-----	---
AN23.7C	AT the end of session the Phase 1 student must be able to describe applied anatomy of lymphatic duct accurately	K	KH	Y	lecture	Written	----		---
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	K	KH	Y	Lecture / practical	Written / Viva Voce	-----	General Medicine	Physiology
AN24.1A	AT the end of session the Phase 1 student must be able to define pleura correctly	K	K	Y	Lecture	Written	----	-----	-----
AN24.1B	AT the end of session the Phase 1 student must be able to enumerate the blood supply & lymphatic drainage of pleura correctly	K	K	Y	Lecture	Written	----	-----	-----
AN24.1C	AT the end of session the Phase 1 student must be able to enumerate the nerve supply of pleura correctly	K	K	Y	Lecture	Written	----	-----	-----
AN24.1D	AT the end of session the Phase 1 student must be able to describe the extent of pleura correctly	K	K	Y	Lecture	Written	----	-----	-----
AN24.1E	AT the end of session the Phase 1 student must be able to describe the pleural recesses correctly	K	KH	Y	Lecture	Written			
AN24.1F	AT the end of session the Phase 1 student must be able to describe the pleural recesses and their applied anatomy correctly	K	KH	Y	Lecture	Written			Physiology
AN24.2	Identify side, external features and relations of structures which form root of lung & bronchial tree and their clinical correlate	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment	-----	General Medicine	Physiology
AN24.2A	AT the end of session the Phase 1 student must be able to define root of lung correctly	K	K	Y	Lecture	Written	-----	-----	-----
AN24.2B	AT the end of session the Phase 1 student must be able to define bronchial tree correctly	K	K	Y	Lecture	Written	-----	-----	-----
AN24.2C	AT the end of session the Phase 1 student must be able to identify side of root of lung on the cadaver correctly	K	SH	Y	Practical	Vivo voce		-----	-----
AN24.2D	AT the end of session the Phase 1 student must be able to identify side of bronchial tree on the cadaver correctly	K	SH	Y	Practical	Vivo voce		-----	-----
AN24.2E	AT the end of session the Phase 1 student must be able to identify external features of root of lung on the cadaver correctly	K	SH	Y	Practical	Vivo voce		-----	-----

AN24.2F	AT the end of session the Phase 1 student must be able to identify relation of root of lung on the cadaver correctly	K	SH	Y	Practical	Vivo voce		-----	-----
AN24.2G	AT the end of session the Phase 1 student must be able to describe clinical correlation root of lung & bronchial tree on the cadaver correctly	k	SH	Y	Practical	Vivo voce			Physiology
AN24.3	Describe a bronchopulmonary segment	K	KH	Y	Lecture / practical	Written / Viva Voce	-----	General Medicine	Physiology
AN24.3A	AT the end of session the Phase 1 student must be able to define bronchopulmonary segment correctly	K	K	Y	lecture	Written			
AN24.3B	AT the end of session the Phase 1 student must be able to describe bronchopulmonary segment correctly	K	KH	Y	lecture	Written			
AN24.4	Identify phrenic nerve & describe its formation & distribution	K/S	SH	Y	Lecture / practical	Written / Viva Voce	-----	General Medicine	Physiology
AN24.4A	AT the end of session the Phase 1 student must be able to define phrenic nerve correctly	K	K	Y	Lecture	Written	-----	-----	-----
AN24.4B	AT the end of session the Phase 1 student must be able to identify phrenic nerve correctly	K	SH	Y	practical	Viva Voce	-----		
AN24.4C	AT the end of session the Phase 1 student must be able to describe the formation & distribution of phrenic nerve correctly	K	SH	Y	Practical	Viva Voce	-----		
AN24.5	Mention the blood supply, lymphatic drainage and nerve supply of lungs	K	KH	Y	Lecture / practical	Written / Viva Voce	----	----	----
AN24.5A	AT the end of session the Phase 1 student must be able to define the blood supply of lung accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN24.5B	AT the end of session the Phase 1 student must be able to mention the lymphatic drainage of lung accurately	K	K	Y	Lecture	Written	----	----	----
AN24.5C	AT the end of session the Phase 1 student must be able to mention the nerve supply of lung accurately	K	K	Y	Lecture	Written	----	----	----
AN24.6	Describe the extent, length, relations, blood supply, lymphatic drainage and nerve supply of trachea	K	KH	Y	lecture	Vivo voce	----	----	----
AN24.6A	AT the end of session the Phase 1 student must be able to define trachea accurately	K	K	Y	Lecture	viva voce	-----	-----	-----
AN24.6B	AT the end of session the Phase 1 student must be able to describe extent & length of trachea accurately	K	KH	Y	Lecture	Vivo voce	----	----	----
AN24.6C	AT the end of session the Phase 1 student must be able to describe relation of trachea accurately	K	KH	Y	Lecture	Vivo voce	----	----	----
AN24.6D	AT the end of session the Phase 1 student should be able to describe blood supply of trachea accurately	K	KH	Y	Lecture	Vivo voce	----	----	----
AN24.6E	AT the end of session the Phase 1 student must be able to describe lymphatic drainage of trachea accurately	K	KH	Y	Lecture	Vivo voce	----	----	----
AN24.6F	AT the end of session the Phase 1 student must be able to describe the nerve supply of trachea accurately	K	KH	Y	Lecture	Vivo voce	----	----	----

AN25.1	Identify, draw and label a slide of trachea and lung	K/S	SH	Y	Practical, Lecture	Written/skill assessment			
AN25.1A	AT the end of session the Phase 1 student must be able to identify a slide of trachea under the microscope correctly	K	KH	Y	Lecture	Written	----	----	----
AN25.1B	AT the end of session the Phase 1 student must be able to identify a slide of lung under the microscope correctly	K	KH	Y	Lecture	Written	----	----	----
AN25.1C	AT the end of session the Phase 1 student must be able to draw & label a slide of trachea correctly	K	SH	Y	Practical	Vivo voce		----	----
AN25.1D	AT the end of session the Phase 1 student must be able to draw & label a slide of lung correctly	K	SH	Y	Practical	Vivo voce		----	----
AN25.2	Describe development of pleura, lung & heart	K	KH	Y	Lecture / practical	Written / Viva Voce	-----	-----	-----
AN25.2A	AT the end of session the Phase 1 student must be able to describe development of pleura correctly	K	KH	Y	Lecture	Written	-----	-----	-----
AN25.2B	AT the end of session the Phase 1 student must be able to describe development of lung correctly	K	KH	Y	Lecture	Written	-----	-----	-----
AN25.2C	AT the end of session the Phase 1 student must be able to describe development of heart correctly	K	KH	Y	Lecture	Written	-----	-----	-----
AN25.3	Describe fetal circulation and changes occurring at birth	K	KH	Y	Lecture	Written	-----	General Medicine	Physiology
AN25.3A	AT the end of session the Phase 1 student must be able to describe fetal circulation correctly	K	K	Y	Lecture	Written	-----	-----	-----
AN25.3B	AT the end of session the Phase 1 student must be able to describe changes occur at birth during fetal circulation correctly	K	KH	Y	Lecture	Written	-----	-----	-----
AN25.4	Describe embryological basis of: 1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy & 4) tracheo-oesophageal fistula	K	KH	Y	Lecture	Written	-----	General Medicine	Physiology
AN25.4A	AT the end of session the Phase 1 student must be able to describe embryological basis of atrial septal defect correctly	K	K	Y	Lecture	Written	-----	-----	-----
AN25.4B	AT the end of session the Phase 1 student should be able to describe embryological basis of ventricular septal defect correctly	K	K	Y	Lecture	Written	-----	-----	-----
AN25.4C	AT the end of session the Phase 1 student must be able to describe embryological basis of fallot's tetralogy correctly	K	KH	Y	Lecture	Written	-----	-----	-----
AN25.4D	AT the end of session the Phase 1 student must be able to describe embryological basis of trachea- oesophageal fistula correctly	K	KH	Y	Lecture	Written	-----	-----	-----
AN25.5	Describe developmental basis of congenital anomalies, transposition of	K	KH	Y	Lecture	Written	-----	General Medicine	Physiology

	great vessels, dextrocardia, patent ductus arteriosus and coarctation of aorta								
AN25.5A	AT the end of session the Phase 1 student must be able to describe developmental basis of congenital anomalies of transposition of great vessels accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN25.5B	AT the end of session the Phase 1 student must be able to describe developmental basis of congenital anomalies of dextrocardia accurately	K	KH	Y	Lecture	Written	-----	-----	-----
AN25.5C	AT the end of session the Phase 1 student must be able to describe developmental basis of congenital anomalies of patent arteriosus accurately	K	KH	Y	Lecture	Written	-----	-----	-----
AN25.5D	AT the end of session the Phase 1 student must be able to describe developmental basis of congenital anomalies of coarctation of aorta accurately	K	KH	Y	Lecture	Written	-----	-----	Physiology
AN25.6	Mention development of aortic arch arteries, SVC, IVC and coronary sinus	K	KH	N	Lecture	Written /viva voce			
AN25.6A	AT the end of session the Phase 1 student should be able to mention development of aortic arch arteries accurately	K	K	N	Lecture	Written	-----	-----	-----
AN25.6B	AT the end of session the Phase 1 student should be able to mention developmental of SVC accurately	K	K	N	Lecture	Written	-----	-----	-----
AN25.6C	AT the end of session the Phase 1 student should be able to mention developmental of IVC accurately	K	KH	N	Lecture	Written	-----	-----	-----
AN25.6D	AT the end of session the Phase 1 student should be able to mention developmental of coronary sinus accurately	K	KH	N	Lecture	Written	-----	-----	-----
AN25.7	Identify structures seen on a plain x-ray chest (PA view)	K/S	SH	Y	Practical DOAP session	Written/ Viva voce/	-----	Radio diagnosis	
AN25.7A	AT the end of session the Phase 1 student must be able to define plain x-ray chest (PA view) accurately	K	KH	N	Lecture	Written	-----	-----	-----
AN25.7B	AT the end of session the Phase 1 student must be able to identify structures seen on a plain x-ray chest (PA view) accurately	K	SH	Y	Practical	Viva voce			
AN25.8	Identify and describe in brief a barium swallow	K/S	SH	Y	Practical DOAP session	Written/ Viva voce/	-----	Radio diagnosis	
AN25.8A	AT the end of session the Phase 1 student should be able to describe a barium swallow accurately	K	KH	N	Lecture	Written	-----	-----	-----
AN25.8B	AT the end of session the Phase 1 student should be able to identify in brief a barium swallow on x-ray accurately	K	SH	N	Practical	Viva voce			
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	K/S	SH	Y	Practical	VIVO VOCE skill assessment	-----	General Medicine	Physiology

AN25.9A	AT the end of session the Phase 1 student must be able to Demonstrate surface marking of lines of pleural reflection on the cadaver accurately	K	SH	Y	Practical	Viva voce	----	-----	
AN25.9B	AT the end of session the Phase 1 student must be able to Demonstrate surface marking of lines of lung borders and fissures on the cadaver accurately	K	SH	Y	Practical	Viva voce	---	-----	
AN25.9D	AT the end of session the Phase 1 student must be able to Demonstrate surface marking of heart borders on the cadaver accurately	K	SH	Y	Practical	Viva voce	---	-----	
AN25.9C	AT the end of session the Phase 1 student must be able to Demonstrate surface marking of lines of apex beat on the cadaver accurately	K	SH	Y	Practical	Viva voce	-----	-----	Physiology
AN25.9D	AT the end of session the Phase 1 student must be able to Demonstrate surface marking of surface projection of valve of heart on the cadaver accurately	K	SH	Y	Practical	Viva voce	-----	-----	
AN25.9E	AT the end of session the Phase 1 student must be able to Demonstrate surface marking of trachea on the cadaver accurately	k	SH	Y	Practical	Viva voce	-----	-----	
AN26.1	Demonstrate anatomical position of skull, Identify and locate individual skull bones in skull	K/S	SH	Y	Lecture, DOAP session	Viva voce/ skill assessment	-----	-----	-----
AN26.1A	AT the end of session the Phase 1 student must be able to demonstrate the anatomical position of the skull accurately	S	SH	Y	DOAP session	skill assessment	-----	-----	-----
AN26.1B	AT the end of session the Phase 1 student must be able to demonstrate the parts of skull accurately	S	SH	Y	DOAP session	skill assessment	-----	-----	-----
AN26.1C	AT the end of session the Phase 1 student must be able to locate the individual bones of the skull accurately	S	SH	Y	DOAP session	skill assessment	-----	-----	-----
AN26.2	Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	K/S	SH	Y	Lecture, DOAP session	Viva voce/ skill assessment	-----	-----	-----
AN26.2A	AT the end of session the Phase 1 student must be able to explain the features of norma frontalis accurately	S	SH	Y	DOAP session	skill assessment		-----	-----
AN26.2B	AT the end of session the Phase 1 student must be able to explain the features of verticalis accurately	S	SH	Y	DOAP session	skill assessment		-----	-----
AN26.2C	AT the end of session the Phase 1 student must be able to explain the features of occipitalis accurately	S	SH	Y	DOAP session	skill assessment		-----	-----
AN26.2D	AT the end of session the Phase 1 student must be able to explain the features of lateralis accurately	S	SH	Y	DOAP session	skill assessment		-----	-----
AN26.2E	AT the end of session the Phase 1 student must be able to explain the features of basalis accurately	S	SH	Y	DOAP session	skill assessment		-----	-----
AN26.3	Describe cranial cavity, its subdivisions, foramina and structures passing through them	K/S	SH	Y	Lecture, DOAP session	Viva voce/ skill assessment	-----	-----	-----

AN26.3A	AT the end of session the Phase 1 student must be able to explain the cranial cavity accurately	K	K	Y	Lecture	Written	----	----	----
AN26.3B	AT the end of session the Phase 1 student must be able to enumerate the subdivisions of the cranial cavity accurately	K	KH	Y	Lecture	Written	----	----	----
AN26.3C	AT the end of session the Phase 1 student must be able to discuss the foramina of the cranial cavity accurately	K	KH	Y	Lecture	Written	----	----	----
AN26.3D	AT the end of session the Phase 1 student must be able to tabulate the structures passing through the foramen accurately	K	SH	Y	Practical	Viva voce	----	----	----
AN26.4	Describe morphological features of mandible	K/S	SH	Y	Lecture, DOAP session	Viva voce/ skill assessment	----	----	----
AN26.4A	AT the end of session the Phase 1 student must be able to explain the morphology of the mandible accurately	S	SH	Y	DOAP session	Viva voce		----	----
AN26.5	Describe features of typical and atypical cervical vertebrae (atlas and axis)	K/S	SH	Y	Lecture, DOAP session	Viva voce/ skill assessment	----	----	----
AN26.5A	AT the end of session the Phase 1 student must be able to tabulate the features of typical cervical vertebrae accurately	S	SH	Y	DOAP session	Viva voce			
AN26.5B	AT the end of session the Phase 1 student must be able to tabulate the features of atypical cervical vertebrae accurately	S	SH	Y	DOAP session	Viva voce			
AN26.6	Explain the concept of bones that ossify in membrane	K	KH	N	lecture	Viva voce			
AN26.6A	AT the end of session the Phase 1 student should be able to define the ossification of bone in membrane accurately	K	K	N	lecture	Viva voce			
AN26.6B	AT the end of session the Phase 1 student should be able to discuss the concept of bone that ossify in membrane accurately	K	KH	N	lecture	Viva voce			
AN26.7	Describe the features of the 7th cervical vertebra	S	SH	N	DOAP session	Viva voce	----	----	----
AN26.7A	AT the end of session the Phase 1 student should be able to explain the features of 7 th cervical vertebrae accurately	S	SH	N	DOAP session	Viva voce/		----	----
AN27.1	Describe the layers of scalp, its blood supply, its nerve supply and surgical importance	K	KH	Y	Practical, Lecture	Written/ Viva voce			General Surgery
AN27.1A	AT the end of session the Phase 1 student must be able to express the layers of the scalp accurately	K	K	Y	Lecture	Written	----	----	----
AN27.1B	AT the end of session the Phase 1 student must be able to interpret the blood supply of the scalp accurately	K	K	Y	Lecture	Written	----	----	----
AN27.1C	AT the end of session the Phase 1 student must be able to interpret the nerve supply of the scalp accurately	K	K	Y	Lecture	Written	----	----	----
AN27.1D	AT the end of session the Phase 1 student must be able to relate the surgical importance of the scalp accurately	K	KH	Y	Practical	Viva voce	----		-----

AN27.2	Describe emissary veins with its role in spread of infection from extracranial route to intracranial venous sinuses	K	KH	Y	Lecture	Written	-----	-----	-----
AN27.2A	AT the end of session the Phase 1 student must be able to explain emissary veins accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN27.2B	AT the end of session the Phase 1 student must be able to explain the role of emissary veins in spread of infection from extracranial route to intracranial venous sinuses accurately	K	KH	Y	Lecture	Written	-----	-----	-----
AN28.1	Describe & demonstrate muscles of facial expression and their nerve supply	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN28.1A	AT the end of session the Phase 1 student must be able to tabulate the muscles of facial expression accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN28.1B	AT the end of session the Phase 1 student must be able to demonstrate the muscles of facial expression accurately	K	KH	Y	Lecture	Written	-----	-----	-----
AN28.1C	AT the end of session the Phase 1 student must be able to demonstrate the nerve supply of facial expression accurately	K	SH	Y	Practical	Viva voce	-----	-----	-----
AN28.2	Describe sensory innervation of face	K	KH	Y	Practical, Lecture	Written/ Viva voce/			
AN28.2A	AT the end of session the Phase 1 student must be able to explain the sensory nerve supply of the face accurately	K	KH	Y	Lecture	Written	-----	-----	-----
AN28.3	Describe & demonstrate origin /formation, course, branches /tributaries of facial vessels	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN28.3A	AT the end of session the Phase 1 student must be able to explain the origin of the facial vessels accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN28.3B	AT the end of session the Phase 1 student must be able to explain the course of the facial vessels accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN28.3C	AT the end of session the Phase 1 student must be able to explain the branches of the facial vessels accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN28.3D	AT the end of session the Phase 1 student must be able to explain the tributaries of the facial vessels accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN28.3E	AT the end of session the Phase 1 student must be able to Demonstrate the facial vessels accurately	K	SH	Y	Practical	Vivo voce	-----	-----	-----

AN28.4	Describe & demonstrate branches of facial nerve with distribution	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN28.4A	AT the end of session the Phase 1 student must be able to explain the branches of facial nerve with its distribution accurately	K	KH	Y	Lecture	Written	-----	-----	-----
AN28.4B	AT the end of session the Phase 1 student must be able to demonstrate the branches of facial nerve with its distribution accurately	K	SH	Y	Practical	Vivo voce	-----	-----	-----
AN28.5	Describe cervical lymph nodes and lymphatic drainage of head, face and neck	K	KH	Y	Practical, Lecture	Written/ Viva voce/			
AN28.5A	AT the end of session the Phase 1 student must be able to enumerate the cervical lymph nodes of the head accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN28.5B	AT the end of session the Phase 1 student must be able to enumerate the cervical lymph nodes of the face accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN28.5C	AT the end of session the Phase 1 student must be able to enumerate the cervical lymph nodes of the neck accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN28.5D	AT the end of session the Phase 1 student must be able to describe the lymphatic drainage of the head accurately	K	KH	Y	Lecture	Written	-----	-----	-----
AN28.5E	AT the end of session the Phase 1 student must be able to describe the lymphatic drainage of the face accurately	K	KH	Y	Lecture	Written	-----	-----	-----
AN28.5F	AT the end of session the Phase 1 student must be able to describe the lymphatic drainage of the neck accurately	K	KH	Y	lecture	written	-----	-----	-----
AN28.6	Identify superficial muscles of face, their nerve supply and actions	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN28.6A	AT the end of session the Phase 1 student must be able to recognise the superficial muscles of the face on the cadaver accurately	S	KH	Y	Practical	Viva voce	-----	-----	-----
AN28.6B	AT the end of session the Phase 1 student must be able to recognise the nerve supply of the face on the cadaver accurately	S	SH	Y	Practical	Viva voce	-----	-----	-----
AN28.6C	AT the end of session the Phase 1 student must be able to recognise the action of superficial muscles of the face on the cadaver	S	SH	Y	Practical	Viva voce	-----	-----	-----

	accurately								
AN28.7	Explain the anatomical basis of facial nerve palsy	K	KH	Y	lecture	written		General medicine	
AN28.7A	AT the end of session the Phase 1 student must be able to define the facial nerve palsy accurately	K	K	Y	lecture	written			
AN28.7A	AT the end of session the Phase 1 student must be able to describe the anatomical basis of facial nerve palsy accurately	K	KH	Y	lecture	written			
AN28.8	Explain surgical importance of deep facial vein	K	KH	Y	lecture	written		General surgery	
AN28.8A	AT the end of session the Phase 1 student must be able to enumerate the deep facial vein accurately	K	K	Y	lecture	written			
AN28.8A	AT the end of session the Phase 1 student must be able to describe the surgical importance of deep facial vein accurately	K	KH	Y	lecture	written			
AN28.9	Describe & demonstrate the parts, borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical importance	K	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General surgery	
AN28.9A	AT the end of session the Phase 1 student must be able to explain the parts, border & surfaces of the parotid gland accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN28.9B	AT the end of session the Phase 1 student must be able to explain the contents & relation of the parotid gland accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN28.9C	AT the end of session the Phase 1 student must be able to explain the nerve supply of the parotid gland accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN28.9D	AT the end of session the Phase 1 student must be able to explain the course of parotid duct of the parotid gland accurately	K	KH	Y	Lecture	Written	-----	-----	-----
AN28.9E	AT the end of session the Phase 1 student must be able to demonstrate the parotid gland with course of parotid duct and its surgical importance accurately	S	SH	Y	Practical	Vivo voce	----		
AN28.10	Explain the anatomical basis of Frey's syndrome	K	KH	Y	lecture	written		General surgery	
AN28.10A	AT the end of session the Phase 1 student must be able to define the Frey's syndrome accurately	K	K	Y	lecture	written			
AN28.10B	AT the end of session the Phase 1 student must be able to summarize the anatomical basis of Frey's syndrome accurately	K	KH	Y	Lecture	Written	-----		-----
AN29.1	Describe & demonstrate attachments, nerve supply, relations and actions of sternocleidomastoid	K	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			

AN29.1A	AT the end of session the Phase 1 student must be able to explain the attachments of sternocleidomastoid muscles accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN29.1B	AT the end of session the Phase 1 student must be able to explain the innervation of sternocleidomastoid muscles accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN29.1C	AT the end of session the Phase 1 student must be able to explain the relations of sternocleidomastoid muscles accurately	K	K	Y	Lecture	Written	-----	-----	-----
IN29.1D	AT the end of session the Phase 1 student must be able to demonstrate the actions of sternocleidomastoid muscles on the cadaver accurately	K	SH	Y	Practical	Vivo voce	-----	-----	-----
AN29.2	Explain anatomical basis of Erb's & Klumpke's palsy	K	KH	Y	lecture	written		General surgery	
AN29.2A	AT the end of session the Phase 1 student must be able to define the Erb's & klumpkes palsy accurately	K	K	Y	lecture	written	-----		-----
AN29.2A	AT the end of session the Phase 1 student must be able to summarize the anatomical basis of Erb's palsy accurately	K	KH	Y	lecture	written	-----		-----
AN29.2B	AT the end of session the Phase 1 student must be able to summarize the anatomical basis of Klumpke's palsy accurately	K	KH	Y	lecture	written	-----		-----
AN29.3	Explain anatomical basis of wry neck	K	KH	N	lecture	written		General surgery	
AN29.3A	AT the end of session the Phase 1 student should be able to define the wry neck accurately	K	K	N	lecture	written	-----		-----
AN29.3A	AT the end of session the Phase 1 student should be able to summarize the anatomical basis of wry neck accurately	K	KH	N	lecture	written	-----		-----
AN29.4	Describe & demonstrate attachments of 1) inferior belly of omohyoid, 2)scalenus anterior, 3) scalenus medius & 4) levator scapulae	K/S	SH	N	Lecture, Practical	Written/ Viva voce			
AN29.4A	AT the end of session the Phase 1 student should be able to explain the attachments of inferior belly of omohyoid muscle accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN29.4B	AT the end of session the Phase 1 student should be able to demonstrate the attachments of inferior belly of omohyoid muscle accurately	K	SH	Y	Practical	Vivo voce	-----	-----	-----
AN29.4C	AT the end of session the Phase 1 student should be able to explain the attachments of scalenus anterior muscle accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN29.4D	AT the end of session the Phase 1 student should be able to demonstrate the attachments of scalenus anterior muscle accurately	K	SH	Y	Practical	Vivo voce	-----	-----	-----
AN29.4E	AT the end of session the Phase 1 student should be able to explain the attachments of scalenus medius muscle accurately	K	K	Y	Lecture	Written	-----	-----	-----

AN29.4F	AT the end of session the Phase 1 student should be able to demonstrate the attachments of scalenus medius muscle accurately	K	SH	Y	Practical	Vivo voce	-----	-----	-----
AN29.4G	AT the end of session the Phase 1 student should be able to explain the attachments of levator scapulae muscle accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN29.4H	AT the end of session the Phase 1 student should be able to demonstrate the attachments of levator scapulae muscle accurately	K	SH	Y	Practical	Vivo voce	-----	-----	-----
AN30.1	Describe the cranial fossae & identify related structures	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Surgery	
AN30.1A	AT the end of session the Phase 1 student must be able to explain the cranial fossae accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN30.1B	AT the end of session the Phase 1 student must be able to identify the related structures of cranial fossae accurately	K	SH	Y	Practical	Vivo voce	-----	-----	-----
AN30.2	Describe & identify major foramina with structures passing through them	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Surgery	
AN30.2A	AT the end of session the Phase 1 student must be able to explain the major foramina accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN30.2B	AT the end of session the Phase 1 student must be able to identify the major foramina accurately	K	SH	Y	Practical	Vivo voce	-----	-----	-----
AN30.2C	AT the end of session the Phase 1 student must be able to explain the structure passing through major foramina accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN30.2D	AT the end of session the Phase 1 student must be able to identify the structure passing through the major foramina accurately	K	SH	Y	Practical	Vivo voce	-----	-----	-----
AN30.3	Describe & identify dural folds & dural venous sinuses	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN30.3A	AT the end of session the Phase 1 student must be able to explain dural folds accurately	K	K	Y	Lecture	Written	-----	-----	-----
AN30.3B	AT the end of session the Phase 1 student must be able to identify the dural folds accurately	K	SH	Y	Practical	Vivo voce	-----	-----	-----

AN30.3C	AT the end of session the Phase 1 student must be able to explain dural venous sinuses accurately	K	K	Y	Lecture	Written	----	----	----
AN30.3D	AT the end of session the Phase 1 student must be able to identify the dural venous sinuses accurately	K	SH	Y	Practical	Vivo voce	----	----	----
AN30.4	Describe clinical importance of dural venous sinuses	K	KH	Y	lecture	written			
AN30.4A	AT the end of session the Phase 1 student must be able to summarize the clinical importance of dural venous sinuses accurately	K	KH	Y	Lecture	Written	----	----	----
AN30.5	Explain effect of pituitary tumours on visual pathway	K	KH	N	lecture	written		Ophthalmology	
AN30.5A	AT the end of session the Phase 1 student should be able to describe the effect of pituitary tumours on visual pathway accurately	K	K	N	Lecture	Written	----	-----	----
AN31.1	Describe & identify extra ocular muscles of eyeball	K	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN31.1A	AT the end of session the Phase 1 student must be able to explain the extra ocular muscles of the eyeball accurately	K	K	Y	Lecture	Written	----	----	-----
AN31.1B	AT the end of session the Phase 1 student must be able to identify the extra ocular muscles of the eyeball accurately	K	SH	Y	Practical	Viva voce	----	----	-----
AN31.2	Describe & demonstrate nerves and vessels in the orbit	K	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN31.2C	AT the end of session the Phase 1 student must be able to explain the nerve of the orbit accurately	K	K	Y	Lecture	Written	----	----	-----
AN31.2D	AT the end of session the Phase 1 student must be able to demonstrate the nerve of the orbit accurately	K	SH	Y	Practical	Viva voce	----	----	-----
AN31.2E	AT the end of session the Phase 1 student must be able to explain the vessels of the orbit accurately	K	K	Y	Lecture	Written	----	----	-----
AN31.2F	AT the end of session the Phase 1 student must be able to demonstrate the vessels of the orbit accurately	K	SH	Y	Practical	Viva voce	----	----	-----
AN31.3	Describe anatomical basis of Horner's syndrome	K	KH	N	Lecture	written		Ophthalmology	
AN31.3A	AT the end of session the Phase 1 student should be able to summarize the Horner's syndrome accurately	K	K	N	Lecture	written	----	----	----
AN31.3A	AT the end of session the Phase 1 student should be able to summarize the anatomical basis of Horner's syndrome accurately	K	KH	N	Lecture	written	----	----	----
AN31.4	Enumerate components of lacrimal apparatus	K	KH	Y	Lecture	written			

AN31.4A	AT the end of session the Phase 1 student must be able to list the components of lacrimal apparatus accurately	K	KH	Y	Lecture	written	----	----	----
AN31.5	Explain the anatomical basis of oculomotor, trochlear and abducent nerve palsies along with strabismus	K	KH	Y	Lecture	written		Ophthalmology	
AN31.5A	AT the end of session the Phase 1 student must be able to explain the anatomical basis of oculomotor nerve palsy along with strabismus accurately	K	KH	Y	Lecture	written	----	----	----
AN31.5B	AT the end of session the Phase 1 student must be able to explain the anatomical basis of trochlear nerve palsy along with strabismus accurately	K	KH	Y	Lecture	written	----	----	----
AN31.5C	AT the end of session the Phase 1 student must be able to explain the anatomical basis of abducent nerve palsy along with strabismus accurately	K	KH	Y	Lecture	written	----	----	----
AN32.1	Describe boundaries and subdivisions of anterior triangle	K	KH	Y	Practical, Lecture	Written/ Viva voce			
AN32.1A	AT the end of session the Phase 1 student must be able to explain the boundaries of anterior triangle accurately	K	K	Y	Lecture	written	----	----	----
AN32.1B	AT the end of session the Phase 1 student must be able to explain the subdivisions of anterior triangle accurately	K	KH	Y	Lecture	written	----	----	----
AN32.2	Describe & demonstrate boundaries and contents of muscular, carotid, digastric and submental triangles	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN32.2A	AT the end of session the Phase 1 student must be able to explain the boundaries and contents of muscular triangle accurately	K	K	Y	Lecture	written			
AN32.2B	AT the end of session the Phase 1 student must be able to demonstrate the boundaries and contents of muscular triangle accurately	K	SH	Y	Practical	Viva voce			
AN32.2C	AT the end of session the Phase 1 student must be able to explain the boundaries and contents of carotid triangle accurately	K	K	Y	Lecture	written			
AN32.2D	AT the end of session the Phase 1 student must be able to demonstrate the boundaries and contents of carotid triangle accurately	K	SH	Y	Practical	Viva voce			

AN32.2E	AT the end of session the Phase 1 student must be able to explain the boundaries and contents of digastric triangle accurately	K	K	Y	Lecture	written			
AN32.2F	AT the end of session the Phase 1 student must be able to demonstrate the boundaries and contents of digastric triangle accurately	K	SH	Y	Practical	Viva voce			
AN32.2G	AT the end of session the Phase 1 student must be able to explain the boundaries and contents of submental triangle accurately	K	K	Y	Lecture	written			
AN32.2H	AT the end of session the Phase 1 student must be able to demonstrate the boundaries and contents of submental triangle accurately	K	SH	Y	Practical	Viva voce			
AN33.1	Describe & demonstrate extent, boundaries and contents of temporal and infratemporal fossae	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN33.1A	AT the end of session the Phase 1 student must be able to explain the extent of temporal fossae accurately	K	K	Y	Lecture	written	-----	-----	-----
AN33.1B	AT the end of session the Phase 1 student must be able to demonstrate the extent of temporal fossae accurately	K	SH	Y	Practical	Viva voce	-----	-----	-----
AN33.1C	AT the end of session the Phase 1 student must be able to explain the boundaries of temporal fossae accurately	K	K	Y	Lecture	written	-----	-----	-----
AN33.1D	AT the end of session the Phase 1 student must be able to demonstrate the boundaries of temporal fossae accurately	K	SH	Y	Practical	Viva voce	-----	-----	-----
AN33.1E	AT the end of session the Phase 1 student must be able to explain the contents of temporal fossae accurately	K	K	Y	Lecture	written	-----	-----	-----
AN33.1F	AT the end of session the Phase 1 student must be able to demonstrate the contents of temporal fossae accurately	K	SH	Y	Practical	Viva voce	-----	-----	-----
AN33.1G	AT the end of session the Phase 1 student must be able to explain the extent of infratemporal fossae accurately	K	K	Y	Lecture	written	-----	-----	-----
AN33.1H	AT the end of session the Phase 1 student must be able to demonstrate the extent of infratemporal fossae accurately	K	SH	Y	Practical	Viva voce	-----	-----	-----
AN33.1I	AT the end of session the Phase 1 student must be able to explain the boundaries of infratemporal fossae accurately	K	K	Y	Lecture	written	-----	-----	-----

AN33.1J	AT the end of session the Phase 1 student must be able to demonstrate the boundaries of infratemporal fossae accurately	K	SH	Y	Practical	Viva voce	----	----	----
AN33.1K	AT the end of session the Phase 1 student must be able to explain the contents of infratemporal fossae accurately	K	K	Y	Lecture	written	----	----	----
AN33.1L	AT the end of session the Phase 1 student must be able to demonstrate the contents of infratemporal fossae accurately	K	SH	Y	Practical	Viva voce	----	----	----
AN33.2	Describe & demonstrate attachments, direction of fibers, nerve supply and actions of muscles of mastication	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Surgery	
AN33.2A	AT the end of session the Phase 1 student must be able to explain the attachments of the muscles of mastication accurately	K	K	Y	Lecture	written	----	----	----
AN33.2B	AT the end of session the Phase 1 student must be able to demonstrate the attachments of the muscles of mastication accurately	K	SH	Y	Practical	Viva voce	----	----	----
AN33.2C	AT the end of session the Phase 1 student must be able to explain the direction of the fibres of muscles of mastication accurately	K	K	Y	Lecture	written	----	----	----
AN33.2D	AT the end of session the Phase 1 student must be able to demonstrate the direction of the fibres of muscles of mastication accurately	K	SH	Y	Practical	Viva voce	----	----	----
AN33.2E	AT the end of session the Phase 1 student must be able to explain the nerve supply of the muscles of mastication accurately	K	K	Y	Lecture	written	----	----	----
AN33.2F	AT the end of session the Phase 1 student must be able to demonstrate the nerve supply of the muscles of mastication accurately	K	SH	Y	Practical	Viva voce	----	----	----
AN33.2G	AT the end of session the Phase 1 student must be able to explain the actions of the muscles of mastication accurately	K	K	Y	Lecture	written	----	----	----
AN33.2H	AT the end of session the Phase 1 student must be able to demonstrate the actions of the muscles of mastication accurately	K	SH	Y	Practical	Viva voce	----	----	----
AN33.3	Describe & demonstrate articulating surface, type & movements of temporomandibular joint	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			

AN33.3A	AT the end of session the Phase 1 student must be able to explain the articulating surface of temporomandibular joint accurately	K	K	Y	Lecture	written	----	----	----
AN33.3B	AT the end of session the Phase 1 student must be able to demonstrate the articulating surface of temporomandibular joint accurately	K	SH	Y	Practical	Viva voce	----	----	----
AN33.3C	AT the end of session the Phase 1 student must be able to explain the type of temporomandibular joint accurately	K	K	Y	Lecture	written	----	----	----
AN33.3D	AT the end of session the Phase 1 student must be able to demonstrate the type of temporomandibular joint accurately	K	SH	Y	Practical	Viva voce	----	----	----
AN33.3E	AT the end of session the Phase 1 student must be able to explain the movements of temporomandibular joint accurately	K	K	Y	Lecture	written	----	----	----
AN33.3F	AT the end of session the Phase 1 student must be able to demonstrate the movements of temporomandibular joint accurately	K	SH	Y	Practical	Viva voce	----	----	----
AN33.4	Explain the clinical significance of pterygoid venous plexus	K	KH	Y	lecture	written	----	----	----
AN33.4A	AT the end of session the Phase 1 student must be able to summarize the clinical significance of pterygoid venous plexus accurately	K	KH	Y	lecture	written	----	----	----
AN33.5	Describe the features of dislocation of temporomandibular joint	K	KH	N	lecture	written	----	----	----
AN33.5A	AT the end of session the Phase 1 student should be able to explain the features of dislocation of temporomandibular joint accurately	K	KH	Y	lecture	written	----	----	----
AN34.1	Describe & demonstrate the morphology, relations and nerve supply of submandibular salivary gland & submandibular ganglion	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Surgery	
AN34.1A	At the end of the session the phase I student must be able to enumerate the nerve supply of submandibular gland correctly.	K	K	Y	Lecture	Written			
AN34.1B	At the end of the session the phase I student must be able to enumerate the nerve supply of submandibular ganglion correctly.	K	K	Y	Lecture	Written			
AN34.1C	At the end of the session the phase I student must be able to describe the morphology of submandibular gland correctly.	K	KH	Y	Lecture	Written			
AN34.1D	At the end of the session the phase I student must be able to describe the morphology of submandibular ganglion.	K	KH	Y	Lecture	Written			
AN34.1E	At the end of the session the phase I student must be able to demonstrate relations of submandibular gland on the cadaver correctly.	S	SH	Y	practical	Viva voce			
AN34.2	Describe the basis of formation of submandibular stones	K	KH	N	Lecture	Written		General Surgery	

AN34.2A	At the end of the session the phase I student should be able to enumerate basis of submandibular stones.	K	K	N	Lecture	Written			
AN34.2B	At the end of the session the phase I student should be able to explain the formation of sabmandibular stones.	K	KH	N	Lecture	Written			
	Topic:- deep structures in neck								
AN35.1	Describe the parts, extent, attachments, modifications of deep cervical Fascia	K	KH	Y	Lecture	Written			
AN35.1A	At the end of the session the phase I student must be able to enumerate the parts of deep cervical fascia correctly.	K	K	Y	Lecture	Written			
AN35.1B	At the end of the session the phase I student must be able to lists the extent of deep cervical fascia correctly.	K	K	Y	Lecture	Written			
AN35.1C	At the end of the session the phase I student must be able to describe the attachment of deep cervical fascia correctly	K	KH	Y	Lecture	Written			
AN35.1D	At the end of the session the phase I student must be able to describe the modifications of deep cervical fascia correctly.	K	KH	Y	Lecture	Written			
AN35.2	Describe & demonstrate location, parts, borders, surfaces, relations & blood supply of thyroid gland	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Surgery	
AN35.2A	At the end of the session the phase I student must be able to enumerate the border of thyroid gland correctly.	K	K	Y	Lecture	Written			
AN35.2B	At the end of the session the phase I student must be able to enumerate the parts of thyroid gland correctly.	K	K	Y	Lecture	Written			
AN35.2C	At the end of the session the phase I student must be able to describe the location of thyroid gland correctly.	K	KH	Y	Lecture	Written			
AN35.2D	At the end of the session the phase I student must be able to describe the surface of thyroid gland.	K	KH	Y	Lecture	Written			
AN35.2E	At the end of the session the phase I student must be able to demonstrate the relation of thyroid gland on the cadaver correctly.	K	SH	Y	practical	Viva voce			
AN35.2F	At the end of the session the phase I student must be able to demonstrate the blood supply of thyroid gland on the cadaver correctly.	K	SH	Y	practical	Viva voce			
AN35.3	Demonstrate & describe the origin, parts, course & branches subclavian Artery	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Surgery	
AN35.3A	At the end of the session the phase I student must be able to enumerate the origin of subclavian artery correctly.	K	K	Y	Lecture	Written			
AN35.3B	At the end of the session the phase I student must be able to enumerate the parts of subclavian artery correctly.	K	K	Y	Lecture	Written			

AN35.3C	At the end of the session the phase I student must be able to describe the course of subclavian artery correctly.	K	KH	Y	Lecture	Written			
AN35.3D	At the end of the session the phase I student must be able to demonstrate the branches of subclavian artery on the cadaver correctly.	K	SH	Y	practical	Viva voce			
AN35.4	Describe & demonstrate origin, course, relations, tributaries and termination of internal jugular & brachiocephalic veins	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN35.4A	At the end of the session the phase I student must be able to enumerate the origin of internal jugular vein correctly.	K	K	Y	Lecture	Written			
AN35.4B	At the end of the session the phase I student must be able to enumerate the origin brachiocephalic vein correctly.	K	K	Y	Lecture	Written			
AN35.4C	At the end of the session the phase I student must be able to enumerate the tributaries of inte brachiocephalic vein correctly.	K	K	Y	Lecture	Written			
AN35.4D	At the end of the session the phase I student must be able to list the relations of internal jugular and brachiocephalic vein correctly.	K	K	Y	Lecture	Written			
AN35.4E	At the end of the session the phase I student must be able to describe the course of internal jugular and brachiocephalic vein correctly.	K	KH	Y	Lecture	Written			
AN35.4F	At the end of the session the phase I student must be able to demonstrate the tributaries of internal jugular with brachiocephalic vein on the cadaver correctly.	K	SH	Y	practical	Viva voce			
AN35.4G	At the end of the session the phase I student must be able to demonstrate the termination of internal jugular with brachiocephalic vein on the cadaver correctly.	K	SH	Y	practical	Viva voce			
AN35.5	Describe and demonstrate extent, drainage & applied anatomy of cervical lymph nodes	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Surgery	
AN35.5A	At the end of the session the phase I student must be able to list the cervical lymph nodes correctly.	K	K	Y	Lecture	Written			
AN35.5B	At the end of the session the phase I student must be able to describe the extent of cervical lymph nodes correctly.	K	KH	Y	Lecture	Written			
AN35.5C	At the end of the session the phase I student must be able to describe the applied anatomy of cervical lymph nodes correctly.	K	KH	Y	Lecture	Written			
AN35.5D	At the end of the session the phase I student must be able to demonstrate the drainage of cervical lymph nodes on the cadaver correctly.	K	SH	Y	Practical	Viva voce			
	Describe and demonstrate the extent, formation, relation & branches of cervical sympathetic chain								

AN35.6		K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
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AN35.6A	At the end of the session the phase I student must be able to enumerate the extent of cervical sympathetic chain correctly.	K	K	Y	Lecture	Written			
AN35.6B	At the end of the session the phase I student must be able to describe the formation of cervical sympathetic chain correctly.	K	KH	Y	Lecture	Written			
AN35.6C	At the end of the session the phase I student must be able to describe relation of cervical sympathetic chain correctly.	K	KH	Y	Lecture	Written			
AN35.6D	At the end of the session the phase I student must be able to demonstrate branches of cervical sympathetic chain on the cadaver correctly.	K	SH	Y	Practical	Viva voce			
AN35.7	Describe the course and branches of IX, X, XI & XII nerve in the neck	K	KH	Y	Lecture	Written			
AN35.7A	At the end of the session the phase I student must be able to describe the course of 9 th and 10 th nerve in neck correctly.	K	K	Y	Lecture	Written			
AN35.7B	At the end of the session the phase I student must be able to describe the branches of 9 th and 10 th nerve in neck correctly.	K	KH	Y	Lecture	Written			
AN35.7C	At the end of the session the phase I student must be able to describe the course of 11 th and 12 th nerve in neck correctly.	K	KH	Y	Lecture	Written			
AN35.7D	At the end of the session the phase I student must be able to describe the branches of 11 th and 12 th nerve in neck correctly.	K	KH	Y	Lecture	Written			
AN35.8	Describe the anatomically relevant clinical features of Thyroid swellings	K	KH	N	Lecture	Written		General surgery	
AN35.8A	At the end of the session the phase I student should be able to enumerate clinical features of thyroid correctly.	K	K	N	Lecture	Written			
AN35.8B	At the end of the session the phase I student should be able to describe clinical anatomy of thyroid swellings correctly.	K	KH	N	Lecture	Written			
AN35.9	Describe the clinical features of compression of subclavian artery and lower trunk of brachial plexus by cervical rib	K	KH	N	Lecture	Written		General surgery	
AN35.9A	At the end of the session the phase I student should be able to describe clinical features of compression of subclavian artery by cervical rib correctly.	K	K	N	Lecture	Written			

AN35.9B	At the end of the session the phase I student should be able to describe clinical features of compression of lower trunk of brachial plexus by cervical rib correctly.	K	KH	N	Lecture	Written			
AN35.10	Describe the fascial spaces of neck	K	KH	N	Lecture	Written			
AN35.10A	At the end of the session the phase I student should be able to enumerate the facial spaces of neck correctly	K	K	N	Lecture	Written			
AN35.10B	At the end of the session the phase I student should be able to describe the facial spaces of neck correctly	K	KH	N	Lecture	Written			
	Topic – mouth, pharynx, palate								
AN36.1	Describe the 1) morphology, relations, blood supply and applied anatomy of palatine tonsil 2) composition of soft palate	K	KH	Y	Lecture	Written		ENT	
AN36.1A	At the end of the session the phase I student must be able to enumerate morphology and relation of palatine tonsil correctly	K	K	Y	Lecture	Written			
AN36.1B	At the end of the session the phase I student must be able to describe blood supply of palatine tonsil correctly	K	KH	Y	Lecture	Written			
AN36.1C	At the end of the session the phase I student must be able to describe applied anatomy of palatine tonsil correctly	K	KH	Y	Lecture	Written			
AN36.1D	At the end of the session the phase I student must be able to describe composition of soft palate correctly	K	KH	Y	Lecture	Written			
AN36.2	Describe the components and functions of Waldeyer's lymphatic ring	K	KH	Y	Lecture	Written		ENT	
AN36.2A	At the end of the session the phase I student must be able to enumerate components of waldeyer's lymphatic ring correctly.	K	K	Y	Lecture	Written			
AN36.2B	At the end of the session the phase I student must be able to describe functions of waldeyer's lymphatic ring correctly.	K	KH	Y	Lecture	Written			
AN36.3	Describe the boundaries and clinical significance of pyriform fossa	K	KH	N	Lecture	Written		ENT	
AN36.3A	At the end of the session the phase I student should be able to describe boundaries of pyriform fossa .	K	K	N	Lecture	Written			
AN36.3B	At the end of the session the phase I student should be able to describe clinical significance of pyriform fossa.	K	KH	N	Lecture	Written			
AN36.4	Describe the anatomical basis of tonsillitis, tonsillectomy, adenoids and peri-tonsillar abscess	K	KH	N	Lecture	Written		ENT	
AN36.4A	At the end of the session the phase I student should be able to describe the anatomical basis of tonsillitis.	K	K	N	Lecture	Written			
AN36.4B	At the end of the session the phase I student should be able to describe the anatomical basis of adenoids.	K	K	N	Lecture	Written			
AN36.4C	At the end of the session the phase I student should be able to describe the anatomical basis of tonsillectomy.	K	KH	N	Lecture	Written			

AN36.4D	At the end of the session the phase I student should be able to describe the anatomical basis of per-tonsillar abscess.	K	KH	N	Lecture	Written			
AN36.5	Describe the clinical significance of Killian's dehiscence	K	KH	N	Lecture	Written		ENT	
AN36.5A	At the end of the session the phase I student should be able to define Killian's dehiscence.	K	K	N	Lecture	Written			
AN36.5B	At the end of the session the phase I student should be able to describe the clinical significance of Killian's dehiscence.	K	KH	N	Lecture	Written			
	Topic : cavity of nose								
AN37.1	Describe & demonstrate features of nasal septum, lateral wall of nose, their blood supply and nerve supply	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		ENT	
AN37.1A	At the end of the session the phase I student must be able to enumerate the features nasal septum correctly.	K	K	Y	Lecture	Written			
AN37.1B	At the end of the session the phase I student must be able to describe the blood supply of lateral wall of nose correctly.	K	K	Y	Lecture	Written			
AN37.1C	At the end of the session the phase I student must be able to describe the blood supply of nasal septum correctly.	K	KH	Y	Lecture	Written			
AN37.1D	At the end of the session the phase I student must be able to describe the nerve supply of lateral wall of nose correctly.	K	KH	Y	Lecture	Written			
AN37.1E	At the end of the session the phase I student must be able to describe the nerve supply nasal septum correctly.	K	KH	Y	Lecture	Written			
AN37.1F	At the end of the session the phase I student must be able to demonstrate the features of lateral wall of nose on the cadaver correctly.	K	SH	Y	practical	Viva voce			
AN37.2	Describe location and functional anatomy of paranasal sinuses	K	KH	Y	Lecture	Written		ENT	
AN37.2A	At the end of the session the phase I student must be able to enumerate the location of paranasal sinuses correctly.	K	K	Y	Lecture	Written			
AN37.2B	At the end of the session the phase I student must be able to describe the functional anatomy of paranasal sinuses correctly.	K	KH	Y	Lecture	Written			
AN37.3	Describe anatomical basis of sinusitis & maxillary sinus tumours	K	KH	N	Lecture	Written		ENT	
AN37.3A	At the end of the session the phase I student should be able to describe the anatomy basis of sinusitis.	K	K	N	Lecture	Written			
AN37.3B	At the end of the session the phase I student should be able to describe the anatomy basis of maxillary sinus tumours.	K	KH	N	Lecture	Written			
	TOPIC : Larynx								
AN38.1	Describe the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic muscles of the larynx	K/S	SH	Y	Practical, Lecture, Small	Written/ Viva voce/		ENT	

					group discussion, DOAP session	skill assessment			
AN38.1A	At the end of the session the phase I student must be able to describe the morphology of larynx correctly.	K	K	Y	Lecture	Written			
AN38.1B	At the end of the session the phase I student must be able to describe the blood supply of larynx correctly.	K	KH	Y	Lecture	Written			
AN38.1C	At the end of the session the phase I student must be able to describe the nerve supply of larynx correctly.	K	KH	Y	Lecture	Written			
AN38.1D	At the end of the session the phase I student must be able to identify the structure of wall of larynx on the cadaver correctly.	K	SH	Y	practical	Viva voce			
AN38.1E	At the end of the session the phase I student must be able to describe the actions of intrinsic with extrinsic muscle of larynx correctly.	K	SH	Y	practical	Viva voce			
AN38.2	Describe the anatomical aspects of laryngitis	K	KH	N	Lecture	Written		ENT	
AN38.2A	At the end of the session the phase I student should be able to describe the laryngitis.	K	K	N	Lecture	Written			
AN38.2B	At the end of the session the phase I student should be able to describe the anatomical basis of laryngitis.	K	K	N	Lecture	Written			
AN38.3	Describe anatomical basis of recurrent laryngeal nerve injury	K	KH	N	Lecture	Written		ENT	
AN38.3A	At the end of the session the phase I student should be able to describe the recurrent laryngeal nerve.	K	K	N	Lecture	Written			
AN38.3B	At the end of the session the phase I student should be able to describe the anatomical basis of recurrent laryngeal nerve injury.	K	KH	N	Lecture	Written			
	Topic : tongue								
AN39.1	Describe & demonstrate the morphology, nerve supply, embryological basis of nerve supply, blood supply, lymphatic drainage and actions of extrinsic and intrinsic muscles of tongue	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN39.1A	At the end of the session the phase I student must be able to enumerate the morphology of tongue correctly.	K	K	Y	Lecture	Written			
AN39.1B	At the end of the session the phase I student must be able to describe the lymphatic drainage of tongue correctly.	K	K	Y	Lecture	Written			
AN39.1C	At the end of the session the phase I student must be able to describe the blood supply of tongue correctly.	K	KH	Y	Lecture	Written			
AN39.1D	At the end of the session the phase I student must be able to describe the nerve supply of tongue correctly.	K	KH	Y	Lecture	Written			
AN39.1E	At the end of the session the phase I student must be able to describe the embryological basis of nerve supply of tongue correctly.	K	KH	Y	Lecture	Written			

AN39.1F	At the end of the session the phase I student must be able to demonstrate the actions of extrinsic and intrinsic muscle of tongue on the cadaver correctly.	K	SH	Y	practical	Viva voce			
AN39.2	Explain the anatomical basis of hypoglossal nerve palsy	K	KH	N	Lecture	Written		ENT	
AN39.2A	At the end of the session the phase I student should be able to describe hypoglossal nerve.	K	K	N	Lecture	Written			
AN39.2B	At the end of the session the phase I student should be able to explain the anatomical basis of hypoglossal nerve palsy.	K	KH	N	Lecture	Written			
	Topic :- organs of hearing and equilibrium								
AN40.1	Describe & identify the parts, blood supply and nerve supply of external ear	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		ENT	
AN40.1A	At the end of the session the phase I student must be able to describe external ear correctly.	K	K	Y	Lecture	Written			
AN40.1B	At the end of the session the phase I student must be able to describe blood supply of external ear correctly.	K	K	Y	Lecture	Written			
AN40.1C	At the end of the session the phase I student must be able to describe nerve supply of external ear correctly.	K	KH	Y	Lecture	Written			
AN40.1D	At the end of the session the phase I student must be able to identify the parts of external ear correctly.	K	SH	Y	practical	Viva voce			
AN40.2	Describe & demonstrate the boundaries, contents, relations and functional anatomy of middle ear and auditory tube	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		ENT	
AN40.2A	At the end of the session the phase I student must be able to describe boundaries of middle ear correctly.	K	K	Y	Lecture	Written			
AN40.2B	At the end of the session the phase I student must be able to describe contents of middle ear correctly.	K	K	Y	Lecture	Written			
AN40.2C	At the end of the session the phase I student must be able to describe boundaries of auditory tube correctly.	K	K	Y	Lecture	Written			
AN40.2D	At the end of the session the phase I student must be able to describe relation of auditory tube correctly.	K	KH	Y	Lecture	Written			
AN40.2E	At the end of the session the phase I student must be able to describe relations of middle ear correctly.	K	KH	Y	Lecture	Written			
AN40.2F	At the end of the session the phase I student must be able to discuss the functional anatomy of middle ear correctly.	K	SH	Y	practical	Viva voce			
AN40.2G	At the end of the session the phase I student must be able to demonstrate the functional anatomy auditory tube correctly.	K	SH	Y	practical	Viva voce			
AN40.3	Describe the features of internal ear	K	KH	N	Lecture	Written		ENT	

AN40.3A	At the end of the session the phase I student should be able to describe internal ear.	K	K	N	Lecture	Written			
AN40.3B	At the end of the session the phase I student should be able to describe features of internal ear.	K	KH	N	Lecture	Written			
AN40.4	Explain anatomical basis of otitis externa and otitis media	K	KH	N	Lecture	Written		ENT	
AN40.4A	At the end of the session the phase I student should be able to describe anatomical basis of otitis externa.	K	K	N	Lecture	Written			
AN40.4B	At the end of the session the phase I student should be able to describe anatomical basis of otitis media.	K	KH	N	Lecture	Written			
AN40.5	Explain anatomical basis of myringotomy	K	KH	N	Lecture	Written		ENT	
AN40.5A	At the end of the session the phase I student should be able to explain the myringotomy.	K	K	N	Lecture	Written			
AN40.5B	At the end of the session the phase I student should be able to describe anatomical basis of myringotomy.	K	KH	N	Lecture	Written			
AN41.1	Describe & demonstrate parts and layers of eyeball	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN41.1A	At the end of the session the phase I student must be able to enumerate the parts of eyeball correctly.	K	K	Y	Lecture	Written			
AN41.1B	At the end of the session the phase I student must be able to describe layers of eyeball correctly.	K	KH	Y	Lecture	Written			
AN41.1C	At the end of the session the phase I student must be able to demonstrate layers of eyeball correctly.	K	SH	Y	Practical	Viva voce			
AN41.1D	At the end of the session the phase I student must be able to demonstrate layers of eyeball correctly.	K	SH	Y	Practical	Viva voce			
AN41.2	Describe the anatomical aspects of cataract, glaucoma & central retinal artery occlusion	K	KH	N	Lecture	Written		ophthalmology	
AN41.2A	At the end of the session the phase I student should be able to describe anatomical basis of cataract.	K	K	N	Lecture	Written			
AN41.2B	At the end of the session the phase I student should be able to describe anatomical basis of glaucoma.	K	K	N	Lecture	Written			
AN41.2C	At the end of the session the phase I student should be able to describe anatomical basis of central retinal artery occlusion.	K	KH	N	Lecture	Written			
AN41.3	Describe the position, nerve supply and actions of intraocular muscles	K	KH	N	Lecture	Written		ophthalmology	
AN41.3A	At the end of the session the phase I student should be able to describe position of intraocular muscle.	K	K	N	Lecture	Written			

AN41.3B	At the end of the session the phase I student should be able to describe nerve supply of intraocular muscle.	K	K	N	Lecture	Written			
AN41.3C	At the end of the session the phase I student should be able to describe action of intraocular muscle.	K	KH	N	Lecture	Written			
	Topic:- back region								
AN42.1	Describe the contents of the vertebral canal	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN42.1A	At the end of the session the phase I student must be able to enumerate vertebra correctly.	K	K	Y	Lecture	Written			
AN42.1B	At the end of the session the phase I student must be able to discuss the vertebral canal correctly.	K	KH	Y	Lecture	Written			
AN42.1C	At the end of the session the phase I student must be able to demonstrate the contents of vertebral canal on the cadaver correctly.	K	SH	Y	Practical	Viva voce			
AN42.2	Describe & demonstrate the boundaries and contents of Suboccipital triangle	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN42.2A	At the end of the session the phase I student must be able to enumerate the boundaries of suboccipital triangle correctly.	K	K	Y	Lecture	Written			
AN42.2B	At the end of the session the phase I student must be able to describe contents of suboccipital triangle correctly.	K	KH	Y	Lecture	Written			
AN42.2C	At the end of the session the phase I student must be able to demonstrate the suboccipital triangle on the cadaver correctly.	K	SH	Y	practical	Viva voce			
AN42.2D	At the end of the session the phase I student must be able to demonstrate the contents of suboccipital triangle cadaver correctly.	K	SH	Y	practical	Viva voce			
AN42.3	Describe the position, direction of fibres, relations, nerve supply, actions of semispinalis capitis and splenius capitis	K	KH	N	Lecture	Written			
AN42.3A	At the end of the session the phase I student should be able to describe position of semispinalis capitis and splenius capitis.	K	K	N	Lecture	Written			
AN42.3B	At the end of the session the phase I student should be able to describe relation with nerve supply of semispinalis capitis and splenius capitis.	K	KH	N	Lecture	Written			
AN42.3C	At the end of the session the phase I student should be able to describe direction of fibres of semispinalis capitis and splenius capitis.	K	KH	N	Lecture	Written			

AN42.3D	At the end of the session the phase I student should be able to describe action of semispinalis capitis and splenius capitis. Topic :- head and neck joints, histology, development	K	KH	N	Lecture	Written			
AN43.1	Describe & demonstrate the movements with muscles producing the movements of atlantooccipital joint & atlantoaxial joint	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN43.1A	At the end of the session the phase I student must be able to enumerate the muscle producing the movement of atlantooccipital joint correctly.	K	K	Y	Lecture	Written			
AN43.1B	At the end of the session the phase I student must be able to enumerate the muscle producing the movement of atlantoaxial joint correctly.	K	K	N	Lecture	Written			
AN43.1C	At the end of the session the phase I student must be able to describe movement of atlantooccipital joint correctly.	K	KH	Y	Lecture	Written			
AN43.1D	At the end of the session the phase I student must be able to describe movement of atlantoaxial joint correctly.	K	KH	Y	Lecture	Written			
AN43.1E	At the end of the session the phase I student must be able to demonstrate the movement of atlantooccipital with atlantoaxial joint on the cadaver correctly.	K	SH	Y	practical	Viva voce			
AN43.2	Identify, describe and draw the microanatomy of pituitary gland, thyroid, parathyroid gland, tongue, salivary glands, tonsil, epiglottis, cornea, retina	K/S	SH	Y	Lecture/ practical	Written/skill assessment			
AN43.2A	At the end of the session the phase I student must be able to enumerate the point of identification of pituitary gland correctly.	K	K	Y	Lecture	Written			
AN43.2B	At the end of the session the phase I student must be able to enumerate the point of identification of thyroid and parathyroid gland correctly.	K	K	Y	Lecture	Written			
AN43.2C	At the end of the session the phase I student must be able to describe the identification of tongue correctly.	K	K	Y	Lecture	Written			
AN43.2D	At the end of the session the phase I student must be able to describe the identification of the salivary gland correctly.	K	KH	Y	Lecture	Written			
AN43.2E	At the end of the session the phase I student must be able to describe the identification of tonsil correctly.	K	KH	Y	Lecture	Written			
AN43.2F	At the end of the session the phase I student must be able to describe the identification of epiglottis correctly.	K	KH	Y	Lecture	Written			
AN43.2G	At the end of the session the phase I student must be able to describe the identification of cornea and retina correctly.	K	KH	Y	Lecture	Written			
AN43.2H	At the end of the session the phase I student must be able to draw the microanatomy of pituitary correctly.	S	SH	Y	practical	Viva voce			

AN43.2I	At the end of the session the phase I student must be able to draw the microanatomy of thyroid and papathyroid correctly.	S	SH	Y	practical	Viva voce			
AN43.2J	At the end of the session the phase I student must be able to draw the microanatomy of tongue with salivary gland correctly.	S	SH	Y	practical	Viva voce			
AN43.2K	At the end of the session the phase I student must be able to draw the microanatomy of tonsil with epiglottis correctly.	S	SH	Y	practical	Viva voce			
AN43.3	Identify, describe and draw microanatomy of olfactory epithelium, eyelid, lip, sclero-corneal junction, optic nerve, cochlea- organ of corti, pineal gland	K/S	SH	N	Lecture/ practical	Written/skill assessment			
AN43.3A	At the end of the session the phase I student should be able to enumerate the point of identification of microanatomy of olfactory epithelium correctly.	K	K	N	Lecture	Written			
AN43.3B	At the end of the session the phase I student should be able to enumerate the point of identification of microanatomy of eyelid correctly.	K	K	N	Lecture	Written			
AN43.3C	At the end of the session the phase I student should be able to enumerate the point of identification of microanatomy of lip correctly.	K	K	N	Lecture	Written			
AN43.3D	At the end of the session the phase I student should be able to enumerate the point of identification of microanatomy of sclera-corneal junction correctly.	K	K	N	Lecture	Written			
AN43.3E	At the end of the session the phase I student should be able to enumerate the point of identification of microanatomy of optic nerve correctly.	K	K	N	Lecture	Written			
AN43.3F	At the end of the session the phase I student should be able to describe the identification of microanatomy of cochlea- organ of corti correctly.	K	K	N	Lecture	Written			
AN43.3G	At the end of the session the phase I student should be able to describe the identification of microanatomy of pineal gland correctly.	K	K	N	Lecture	Written			
AN43.3H	At the end of the session the phase I student should be able to draw microanatomy of olfactory epithelium correctly.	K	KH	N	Lecture	Written			
AN43.3I	At the end of the session the phase I student should be able to draw microanatomy of lip correctly.	S	SH	N	practical	Viva voce			
AN43.3J	At the end of the session the phase I student should be able to draw microanatomy of optic nerve correctly.	S	SH	N	practical	Viva voce			
AN43.4	Describe the development and developmental basis of congenital anomalies of face, palate, tongue, branchial apparatus, pituitary gland, thyroid gland & eye	K	KH	Y	lecture	Written/viva voce			
AN43.4A	At the end of the session the phase I student must be able to describe the development of face correctly.	K	K	Y	lecture	Written			
AN43.4B	At the end of the session the phase I student must be able to describe the development of palate correctly.	K	K	Y	lecture	Written			
AN43.4C	At the end of the session the phase I student must be able to describe the development of tongue correctly.	K	K	Y	lecture	Written			

AN43.4D	At the end of the session the phase I student must be able to describe the development of brachial apparatus correctly.	K	K	Y	lecture	Written			
AN43.4E	At the end of the session the phase I student must be able to describe the development of pituitary gland correctly.	K	K	Y	lecture	Written			
AN43.4F	At the end of the session the phase I student must be able to describe the development of thyroid gland correctly.	K	K	Y	lecture	Written			
AN43.4G	At the end of the session the phase I student must be able to describe the development of eye correctly.	K	K	Y	lecture	Written			
AN43.4H	At the end of the session the phase I student must be able to describe the development anomalies of face and palate correctly.	K	KH	Y	lecture	Written			
AN43.4I	At the end of the session the phase I student must be able to describe the development anomalies of tongue correctly.	K	KH	Y	lecture	Written			
AN43.4J	At the end of the session the phase I student must be able to describe the development anomalies of thyroid correctly.	K	KH	Y	lecture	Written			
AN43.4K	At the end of the session the phase I student must be able to describe the development anomalies of pituitary gland correctly.	K	KH	Y	lecture	Written			
AN43.4L	At the end of the session the phase I student must be able to describe the development anomalies of eye correctly.	K	KH	Y	lecture	Written			
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 internal and external jugular veins, 4) Location of hyoid bone, thyroid cartilage and cricoid cartilage with their vertebral levels	K/S	SH	Y	practical	Viva voce/ skill assessment		General surgery	
AN43.5A	At the end of the session the phase I student must be able to demonstrate the muscle of facial expression correctly.	K	K	Y	practical	Viva voce			
AN43.5B	At the end of the session the phase I student must be able to demonstrate the muscle of mastication correctly.	K	KH	Y	practical	Viva voce			
AN43.5C	At the end of the session the phase I student must be able to demonstrate the extraocular muscles correctly.	K	KH	Y	practical	Viva voce			
AN43.5D	At the end of the session the phase I student must be able to demonstrate the palpation of carotid arteries correctly.	K	KH	Y	practical	Viva voce			
AN43.5E	At the end of the session the phase I student must be able to demonstrate the palpation of facial artery with superficial artery correctly.	S	SH	Y	practical	Viva voce			
AN43.5F	At the end of the session the phase I student must be able to demonstrate the location of internal and external jugular veins correctly.	K	SH	Y	practical	Viva voce			
AN43.5G	At the end of the session the phase I student must be able to demonstrate the location of hyoid bone correctly.	K	SH	Y	practical	Viva voce			

AN43.5H	At the end of the session the phase I student must be able to demonstrate the location of thyroid cartilage correctly.	K	SH	Y	practical	Viva voce			
AN43.5I	At the end of the session the phase I student must be able to demonstrate the cricoids cartilage with vertebral levels correctly.	K	SH	Y	practical	Viva voce			
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 & accessory nerve	K/S	SH	N	practical	Skill assessment/Viva voce		General surgery	
AN43.6A	At the end of the session the phase I student should be able to demonstrate surface projections of pterion.	K	K	N	practical	Viva voce			
AN43.6B	At the end of the session the phase I student should be able to demonstrate surface projections of common carotid artery.	K	K	N	practical	Viva voce			
AN43.6C	At the end of the session the phase I student should be able to demonstrate surface projections of internal jugular vein.	K	KH	N	practical	Viva voce			
AN43.6D	At the end of the session the phase I student should be able to demonstrate surface projections of subclavian vein.	K	KH	N	practical	Viva voce			
AN43.6E	At the end of the session the phase I student should be able to demonstrate surface projections of external jugular vein.	K	KH	N	practical	Viva voce			
AN43.6F	At the end of the session the phase I student should be able to demonstrate surface projections of accessory nerve.	K	KH	N	practical	Viva voce			
AN43.6G	At the end of the session the phase I student should be able to demonstrate surface projections of thyroid gland.	S	S	N	practical	Viva voce			
AN43.6H	At the end of the session the phase I student should be able to demonstrate surface projections of parotid gland and duct.	K	SH	N	practical	Viva voce			
AN43.6I	At the end of the session the phase I student should be able to demonstrate surface projections of facial artery in the face.	K	SH	N	practical	Viva voce			
AN43.7	Identify the anatomical structures in 1) Plain x-ray skull, 2) AP view and lateral view 3) Plain x-ray cervical spine-AP and lateral view 4) Plain xray of paranasal sinuses	K/S	SH	Y	practical	Viva voce/skill assessment		Radiodiagnosis	
AN43.7A	At the end of the session the phase I student must be able to enumerate the anatomical structures in plain x-ray of skull in PA view correctly.	K	K	Y	Practical	Viva voce			
AN43.7B	At the end of the session the phase I student must be able to identify the anatomical structures in plain x-ray of skull in AP view correctly.	K	K	Y	Practical	Viva voce			
AN43.7C	At the end of the session the phase I student must be able to identify the anatomical structures in plain x-ray of cervical spine AP view correctly.	K	KH	Y	Practical	Viva voce			
AN43.7D	At the end of the session the phase I student must be able to identify the anatomical structures in plain x-ray of cervical spine lateral view correctly.	K	KH	Y	Practical	Viva voce			
AN43.7E	At the end of the session the phase I student must be able to identify the anatomical structures in plain x-ray of paranasal sinuses correctly.	K	SH	Y	Practical	Viva voce			

AN43.8	Describe the anatomical route used for carotid angiogram and vertebral angiogram	K/S	SH	N	practical	Viva voce/ skill assessment		Radiodiagnosis	
AN43.8A	At the end of the session the phase I student should be able to describe the anatomical route of carotid angiogram.	K	K	N	Practical	Viva voce			
AN43.8B	At the end of the session the phase I student should be able to describe the anatomical route used for vertebral angiogram..	K	KH	N	Practical	Viva voce			
AN43.8C	At the end of the session the phase I student should be able to describe the anatomical route used for carotid angiogram.	S	SH	N	Practical	Viva voce			
AN43.9	Identify anatomical structures in carotid angiogram and vertebral angiogram	K/S	SH	N	Practical	Viva voce/skill assessment		Radiodiagnosis	
AN43.9A	At the end of the session the phase I student should be able to identify the anatomical structures in carotid angiogram correctly.	K	KH	N	Practical	Viva voce			
AN43.9B	At the end of the session the phase I student should be able to identify the anatomical structures in vertebral angiogram angiogram correctly.	K	SH	N	Practical	Viva voce			
	Topic anterior abdominal wall								
AN44.1	Describe & demonstrate the Planes (transpyloric, transtuberular, subcostal, lateral vertical, linea alba, linea semilunaris), regions & Quadrants of abdomen	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Surgery	
AN44.1A	At the end of the session the phase I student must be able to describe the regions of abdomen correctly.	K	K	Y	Lecture	written			
AN44.1B	At the end of the session the phase I student must be able to describe the quadrants of abdomen correctly.	K	KH	Y	Lecture	written			
AN44.1C	At the end of the session the phase I student must be able to demonstrate the transpyloric and transtuberular planes of abdomen on the cadaver correctly.	K	SH	Y	practical	Viva voce			
AN44.1D	At the end of the session the phase I student must be able to demonstrate the subcostal and lateral vertical planes of abdomen on the cadaver correctly.	K	SH	Y	practical	Viva voce			
AN44.1E	At the end of the session the phase I student must be able to demonstrate the linea alba and linea semilunaris planes of abdomen on the cadaver correctly.	K	SH	Y	practical	Viva voce			
AN44.2	Describe & identify the Fascia, nerves & blood vessels of anterior abdominal wall	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP	Written/ Viva voce/ skill assessment			

					session				
AN44.2A	At the end of the session the phase I student must be able to enumerate the fascial layers of anterior abdominal wall correctly.	K	K	Y	Lecture	Written			
AN44.2B	At the end of the session the phase I student must be able to describe the fascia of anterior abdominal wall correctly.	K	KH	Y	Lecture	Written			
AN44.2C	At the end of the session the phase I student must be able to identify the nerve of anterior abdominal wall correctly.	K	SH	Y	practical	Viva voce			
AN44.2D	At the end of the session the phase I student must be able to identify the blood supply of anterior abdominal wall correctly.	K	SH	Y	Practical	Viva voce			
AN44.3	Describe the formation of rectus sheath and its contents	K	KH	Y	Lecture	Written/ Viva voce			
AN44.3A	At the end of the session the phase I student must be able to describe formation of rectus sheath correctly.	K	K	Y	Lecture	Written			
AN44.3B	At the end of the session the phase I student must be able to describe contents of rectus sheath correctly.	K	KH	Y	Lecture	Written			
AN44.4	Describe & demonstrate extent, boundaries, contents of Inguinal canal including Hesselbach's triangle.	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Surgery	
AN44.4A	At the end of the session the phase I student must be able to describe the extent of inguinal canal correctly.	K	K	Y	Lecture	Written			
AN44.4B	At the end of the session the phase I student must be able to describe the boundaries of hesselbach triangle correctly.	K	K	Y	Lecture	Written			
AN44.4C	At the end of the session the phase I student must be able to describe the boundaries of inguinal canal correctly.	K	KH	Y	Lecture	Written			
AN44.4D	At the end of the session the phase I student must be able to demonstrate the content of inguinal canal on the cadaver correctly.	S	SH	Y	Practical	Viva voce			
AN44.5	Explain the anatomical basis of inguinal hernia	K	KH	Y	Lecture	Written/viva voce		General Surgery	
AN44.5A	At the end of the session the phase I student must be able to enumerate the inguinal hernia correctly.	K	K	Y	Lecture	Written			
AN44.5B	At the end of the session the phase I student must be able to describe the anatomical basis of inguinal hernia correctly.	K	KH	Y	Lecture	Written			
AN44.6	Describe & demonstrate attachments of muscles of anterior abdominal wall	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Surgery	
AN44.6A	At the end of the session the phase I student must be able to enumerate the muscle of anterior abdominal wall correctly.	K	K	Y	Lecture	Written			

AN44.6B	At the end of the session the phase I student must be able to describe the muscle of anterior abdominal wall correctly.	K	KH	Y	Lecture	Written			
AN44.6C	At the end of the session the phase I student must be able to demonstrate the attachment of muscle forming anterior abdominal wall correctly.	S	SH	Y	practical	Viva voce			
AN44.7	Enumerate common Abdominal incisions	K	KH	N	Lecture	Written		General Surgery	
AN44.7A	At the end of the session the phase I student should be able to enumerate common abdominal incision.	K	K	N	Lecture	Written			
AN44.7B	At the end of the session the phase I student should be able to describe the common abdominal incision.	K	KH	N	Lecture	Written			
	TOPIC: posterior abdominal wall								
AN45.1	Describe Thoracolumbar fascia	K	KH	Y	Lecture	written			
AN45.1A	At the end of the session the phase I student must be able to enumerate the layers of thoracolumbar fascia correctly.	K	K	Y	Lecture	Written			
AN45.1B	At the end of the session the phase I student must be able to trace the layers of thoracolumbar fascia correctly.	K	KH	Y	Lecture	Written			
AN45.1C	At the end of the session the phase I student must be able to describe attachment of thoracolumbar fascia correctly.	K	KH	Y	Lecture	Written			
AN45.2	Describe & demonstrate Lumbar plexus for its root value, formation & branches	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN45.2A	At the end of the session the phase I student must be able to enumerate the root value of lumbar plexus correctly.	K	K	Y	Lecture	Written			
AN45.2B	At the end of the session the phase I student must be able to describe the formation of lumbar plexus correctly.	K	KH	Y	Lecture	Written			
AN45.2C	At the end of the session the phase I student must be able to demonstrate the branches of lumbar plexus correctly.	K	SH	Y	practical	Viva voce			
AN45.3	Mention the major subgroups of back muscles, nerve supply and action	K	KH	N	Lecture	Written			
AN45.3A	At the end of the session the phase I student should be able to enumerate the muscle forming the posterior abdominal wall.	K	K	N	Lecture	Written			
AN45.3B	At the end of the session the phase I student should be able to describe the nerve supply of back muscle.	K	KH	N	Lecture	Written			
AN45.3C	At the end of the session the phase I student should be able to explain the action of back muscle.	K	KH	N	Lecture	Written			
	Topic :- male external genitalia								
AN46.1	Describe & demonstrate coverings, internal structure, side determination,	K/S	SH	Y	Practical,	Written/ Viva voce/		General surgery	

	blood supply, nerve supply, lymphatic drainage & descent of testis with its Applied anatomy				Lecture, Small group discussion, DOAP session	skill assessment			
AN46.1A	At the end of the session the phase I student must be able to enumerate the external features of testis correctly.	K	K	Y	Lecture	Written			
AN46.1B	At the end of the session the phase I student must be able to describe the lymphatic drainage of testis correctly.	K	K	Y	Lecture	Written			
AN46.1C	At the end of the session the phase I student must be able to describe the blood supply of testis correctly.	K	KH	Y	Lecture	Written			
AN46.1D	At the end of the session the phase I student must be able to describe the nerve supply of testis correctly.	K	K	Y	Lecture	Written			
AN46.1E	At the end of the session the phase I student must be able to demonstrate the coverings of testis on the cadaver correctly.	K	SH	Y	Practical	Viva voce			
AN46.1F	At the end of the session the phase I student must be able to demonstrate the internal structure of testis on the cadaver correctly.	S	SH	Y	Practical	Viva voce			
AN46.1G	At the end of the session the phase I student must be able to demonstrate the side determination of testis on specimen correctly.	S	SH	Y	Practical	Viva voce			
AN46.2	Describe parts of Epididymis	K	KH	Y	Lecture, practical	Written, viva voce			General surgery
AN46.2A	At the end of the session the phase I student must be able to enumerate the parts of epididymis correctly.	K	K	Y	Lecture	Written			
AN46.2B	At the end of the session the phase I student must be able to describe its parts with its course of epididymis correctly.	K	KH	Y	Practical	Viva voce			
AN46.3	Describe Penis under following headings: (parts, components, blood supply and lymphatic drainage)	K	KH	Y	Lecture, practical	Written, viva voce			
AN46.3A	At the end of the session the phase I student must be able to enumerate the parts of penis correctly.	K	K	Y	Lecture	Written			
AN46.3B	At the end of the session the phase I student must be able to enumerate the components of penis correctly.	K	K	Y	Lecture	Written			
AN46.3C	At the end of the session the phase I student must be able to describe the blood supply of penis correctly.	K	KH	Y	Lecture	Written			
AN46.3D	At the end of the session the phase I student must be able to describe the lymphatic drainage of penis correctly.	K	KH	Y	Lecture	Written			
AN46.4	Explain the anatomical basis of Varicocele	K	KH	N	Lecture	Written			General surgery
AN46.4A	At the end of the session the phase I student should be able to enumerate the causes of varicocele.	K	K	N	Lecture	Written			
AN46.4B	At the end of the session the phase I student should be able to describe the anatomical basis of varicocele.	K	KH	N	Lecture	Written			
AN46.5	Explain the anatomical basis of Phimosi s & Circumcision	K	KH	N	Lecture	Written			General surgery

AN46.5A	At the end of the session the phase I student should be able to explain the anatomical basis of phimosis.	K	K	N	Lecture	Written			
AN46.5B	At the end of the session the phase I student should be able to explain the anatomical basis of circumcisiion.	K	KH	N	Lecture	Written			
AN.47.1	Describe & identify boundaries and recesses of Lesser & Greater sac	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Surgery	
AN 47.1A	At the end of the session of phase 1, the student must be able to Describe boundaries of lesser sac correctly.	K	KH	Y	Lecture	Written			-
AN 47.1B	At the end of the session of phase 1, the student must be able to describe boundaries of lesser sac correctly.	K	KH	Y	Lecture	Written			-
AN 47.1C	At the end of the session of phase 1, the student must be able to describe the recesses of lesser sac correctly.	K	KH	Y	Lecture	Written			-
AN 47.1D	At the end of the session of phase 1, the student should be able to describe the recesses of lesser sac correctly.	K	KH	Y	Lecture	Written			-
AN 47.1E	At the end of the session of phase 1, the student should be able to Identify boundaries of lesser & greater sac accurately.	K	SH	Y	practical	Viva		Gen.surgery	-
AN 47.1F	At the end of the session of phase 1, the student must be able to identify boundaries of lesser & greater sac accurately.	K	SH	Y	Practical	Viva		- Gen.surgery	-
AN47.2	Name & identify various peritoneal folds & pouches with its explanation.	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Surgery	-
AN 47.2A	At the end of the session of phase 1, the student must be able to Name various peritoneal folds accurately	K	KH	Y	Lecture	Written			-
AN 47.2B	At the end of the session of phase 1, the student must be able to Name various pouches accurately	K	KH	Y	Lecture	Written			
AN 47.2C	At the end of the session of phase 1, the student must be able to Identify various peritoneal folds accurately	K	KH	Y	Lecture	VIVA VOCE			-
AN 47.2D	At the end of the session of phase 1, the student must be able to Identify various peritoneal pouches accurately	K	KH	Y	Lecture	VIVA VOCE			
AN 47.2E	At the end of the session of phase 1, the student must be able to discribe the imporliance of various peritoneal folds correctly?	K	SH	Y	Lecture	VIVA VOCE			-
AN 47.2F	At the end of the session of phase 1, the student must be able to discribe the imporliance of various peritoneal pouches correctly	K	SH	Y	Lecture	VIVA VOCE			

AN47.3	Explain anatomical basis of Ascites & Peritonitis.	K	KH	N	Lecture	Written		General Surgery	-
AN 47.3A	At the end of the session of phase 1, the student Should be able to decribe the anatomical basis of ascites.	K	KH	N	Lecture	VIVA VOCE			-
AN 47.3B	At the end of the session of phase 1, the student Should be able to decribe the anatomical basis of peritonitis correctly.	K	KH	N	Lecture	VIVA VOCE			-
AN 47.4	Explain anatomical basis of Subphrenic abscess	K	KH	N	Lecture	Written		General Surgery	-
AN 47.4A	At the end of the session of phase 1, the student Should be able to discribe the anatomical basis of subphrenic abscess correctly?	K	KH	N	lecture	Written			-
AN 47.5	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)	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Surgery	-
AN 47.5A	At the end of the session of phase 1, the student must be able to Discribe major viscera of abdomen respect to external relations correctly .	K	KH	Y	Lecture	Written			-
AN 47.5B	At the end of the session of phase 1, the student must be able to Discribe major viscera of abdomen respect to internal feature correctly .	K	KH	Y	Lecture	Written			
AN 47.5C	At the end of the session of phase 1, the student must be able to Discribe major viscera of abdomen respect important peritoneal and other relations correctly.	K	KH	Y	Lecture	Written			
AN 47.5D	At the end of the session of phase 1, the student must be able to discribe major viscera of abdomen in respect to blood supply correctly .	K	KH	Y	Lecture	Written			
AN 47.5E	At the end of the session of phase 1, the student must be able to discribe major viscera of abdomen in respect nerve supply correctly .	K	KH	Y	Lecture	Written			-
AN 47.5F	At the end of the session of phase 1, the student must be able to domonstrate major viscera of abdomen in respect to anatomical position correctly .	K	SH	Y	Practical	Viva voce			-
AN 47.5G	At the end of the session of phase 1, the student must br able to domonstrate major viscera of abdomen in respect to lymphtic drainage accurately.	K	SH	Y	Practical	Viva voce			-

AN 47.6	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.	K	KH	N	Lecture	Written		General Surgery	-
AN 47.6A	At the end of the session of phase 1, the student should be able to Explain spleen in respect to splenic notch correctly.	K	KH	N	Lecture	Written			-
AN 47.6B	At the end of the session of phase 1, the student should be able to Explain spleen in respect to accessory spleens with kehar's sign correctly.	K	KH	N	Lecture	Written			
AN 47.6C	At the end of the session of phase 1, the student should be able to Explain different type of vagotomy correctly.	K	KH	N	Lecture	Written			-
AN 47.6D	At the end of the session of phase 1, the student should be able to explain liver biopsy (site of needle puncture) correctly	K	KH	N	Lecture	Written			-
AN 47.6E	At the end of the session of phase 1, the student be able to explain Referred pain in cholecystitis correctly.	K	KH	N	Lecture	Written			-
AN 47.6F	At the end of the session of phase 1, the student be able to explain Anatomical basis of obstructive jaundice correctly.	K	KH	N	Lecture	Written			-
AN 47.6G	At the end of the session of phase 1, the student be able to explain Anatomical basis of Referred pain around umbilicus correctly.	K	KH	N	Lecture	Written			-
AN 47.6H	At the end of the session of phase 1, the student be able to explain anatomical basis of radiating pain of kidney to groin correctly.	K	KH	N	Lecture	Written			-
AN 47.6I	At the end of the session of phase 1, the student be able to explain anatomical basis of lymphatic spread in carcinoma stomach correctly.	K	KH	N	Lecture	Written			-
AN 47.7	Mention the clinical importance of Calot's triangle.	K	KH	N	Lecture	Written		General Surgery	-
AN 47.7A	At the end of the session of phase 1, the student should be able to enumerate the boundary of calot's trianlgr correctly.	K	KH	N	Lecture	Written			-
AN 47.7B	At the end of the session of phase 1, the student should be able to mention the clinical importance of calot's trianlgr correctly.	K	KH	N	Lecture	Written			
AN 47.8	Describe & identify the formation, course relations and tributaries of Portal vein, Inferior vena cava & Renal vein.	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN 47.8A	At the end of the session of phase 1, the student must be able to describe portal vein in respect to formation , course relation and tributaries correctly.	K	KH	Y	Lecture	Written		-	-

AN 47.8B	At the end of the session of phase 1, the student must be able to Identify the portal vein in respect to formation ,course relation and tributaries accurately.	K	KH	Y	Lecture	Written		-	-
AN 47.8C	At the end of the session of phase 1, the student must be able to describe indetify vena cava in respect to formation,course relation and tributaries correctly.	K	KH	Y	Lecture	Written		-	-
AN 47.8D	At the end of the session of phase 1, the student must be able to indentify vena cava in respect to formation, course relation and tributaries accurately.	K	SH	Y	Practical	Viva voice		-	-
AN 47.8E	At the end of the session of phase 1, the student must be able to describe portal vein in respect to formation course relation and tributaries correctly.	K	KH	Y	Lecture	Written		-	-
AN 47.8F	At the end of the session of phase 1, the student must be able to indentify portal vein in respect to formation course relation and tributaries correctly.	K	SH	Y	Practical	Viva voice		-	-
AN 47.9	Describe & identify the origin, course, important relations and branches of Abdominal aorta, Coeliac trunk, Superior mesenteric, Inferior mesenteric & Common iliac artery	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN 47.9A	At the end of the session of phase 1, the student must be able to describe the abdominal aorta in respect to origin, course important relations & branches correctly.	K	KH	Y	Lecture	Written		-	-
AN 47.9B	At the end of the session of phase 1, the student must be able to indentify abdominal aorta in respect to origin, course important relations & branches accurtately.	K	SH	Y	practical	Viva voce		-	-
AN 47.9C	At the end of the session of phase 1, the student must be able to describe coeliac trunk in respect to origin, course important relations & branches correctly.	K	KH	Y	Lecture	Written		-	-
AN 47.9D	At the end of the session of phase 1, the student must be able to indentify coeliac trunk in respect to origin, course important relations & branches accurtately.	K	SH	Y	Practical	Viva voice		-	-
AN 47.9E	At the end of the session of phase 1, the student must be able to discribe superior mesenteric artery in respect toorigin, course important relations & branches correctly.	K	KH	Y	Lecture	Written		-	-
AN 47.9F	At the end of the session of phase 1, the student must be able to indentify superior mesenteric artery in respect toorigin, course important relations & branches accurately.	K	SH	Y	Practical	Viva voice		-	-
AN 47.9G	At the end of the session of phase 1, the student must be able to describe inferior mesenteric artery in respect to origin, courses important relations & branches correctly.	K	KH	Y	Lecture	Written		-	-

AN 47.9H	At the end of the session of phase 1, the student should be able to identify inferior mesenteric artery in respect to origin, courses important relations & branches accurately.	K	SH	Y	Practical	Viva voice		-	-
AN 47.9I	At the end of the session of phase 1, the student should be able to describe the common iliac artery in respect to origin, courses important relations & branches correctly.	K	KH	Y	Lecture	Written		-	-
AN 47.9J	At the end of the session of phase 1, the student should be able to identify the common iliac artery in respect to origin, courses important relations & branches accurately.	K	SH	Y	Practical	Viva voice		-	-
AN47.10	Enumerate the sites of portosystemic anastomosis	K	KH	Y	Lecture	Written		General Surgery	-
AN 47.10A	At the end of the session of phase 1, the student should be able to enumerate the site of portosystemic anastomosis correctly.	K	KH	Y	Lecture	Written			-
AN47.11	Explain the anatomic basis of hematemesis & caput medusae in portal hypertension	K	KH	Y	Lecture	Written/ Viva voce		General Surgery	-
AN47.11A	At the end of the session of phase 1, the student should be able to explain the anatomical basis of hematemesis in portal hypertension correctly.	K	KH	Y	Lecture	Written			-
AN47.11B	At the end of the session of phase 1, the student should be able to explain the anatomical basis of caput medusae in portal hypertension correctly.	K	KH	Y	Lecture	Written			-
AN47.12C	Describe important nerve plexuses of posterior abdominal wall	K	KH	N	Lecture	Written			-
AN47.12D	At the end of the session of phase 1, the student should be able to enumerate the nerve plexuses of posterior abdominal wall.	K	KH	N	Lecture	Written			-
AN47.12E	At the end of the session of phase 1, the student should be able to describe important nerve plexuses of posterior abdominal wall correctly.	K	KH	N	Lecture	Written			-
AN47.13	Describe & demonstrate the attachments, openings, nerve supply & action of the thoracoabdominal diaphragm	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN47.13A	At the end of the session of phase 1, the student must be able to describe thoraco abdominal diaphragm in respect to attachments, openings nerve supply & action correctly.	K	KH	Y	Lecture	Written			-
AN47.13B	At the end of the session of phase 1, the student must be able to demonstrate thoraco abdominal diaphragm in respect to attachments, openings nerve supply & action accurately.	K	SH	Y	Practical	Viva voice			-
AN47.14	Describe the abnormal openings of thoracoabdominal diaphragm and diaphragmatic hernia	K	KH	N	Lecture	Written		General Surgery	

AN47.14A	At the end of the session of phase 1, the student should be able to describe thoraco abdominal diaphragm in respect to abdominal , opening of diaphragmatic hernia correctly.	K	KH	N	Lecture	Written		-	-
	<u>Topic: Pelvic wall & Viscera</u>								
AN 48.1A	Describe & identify the muscles of Pelvic diaphragm	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN 48.1B	At the end of the session of phase 1, the student must be able to describe the muscles of pelvic diaphragm correctly.	K	KH	Y	Lecture	Written		-	-
AN 48.1C	At the end of the session of phase 1, the student must be able to indentify the muscles of pelvic diaphragm accurately.	K	SH	Y	Practical	Viva voice		-	-
AN 48.2	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	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN 48.2A	At the end of the session of phase 1, the student must be able to describe important pelvic viscera in respect to features, peritoneal & other relations & applied importance correctly.	K	KH	Y	Lecture	Written		-	-
AN 48.2B	At the end of the session of phase 1, the student must be able to demonstrate important pelvic viscera in respect to features, peritoneal & other relations & applied importance accurtaely.	K	SH	Y	Practical	Viva voice		-	-
AN 48.2C	At the end of the session of phase 1, the student must be able to describe important peritoneal viscera in respect to blood supply, nerve supply & Lymphatic drainage correctly.	K	KH	Y	Lecture	Written		-	-
AN 48.2D	At the end of the session of phase 1, the student must be able to demonstrate important peritoneal viscera in respect to blood supply, nerve supply & Lymphatic drainage accurately.	K	SH	Y	Practical	Viva voice		-	-
AN 48.3	Describe & demonstrate the origin, course, important relations and branches of internal iliac artery	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN 48.3A	At the end of the session of phase 1, the student must be able to describe internal iliac artery in respect to origin, course important relations & branches correctly.	K	KH	Y	Lecture	Written		-	-

AN 48.3B	At the end of the session of phase 1, the student must be able to demonstrate internal iliac artery in respect to origin, course important relations & branches accurately.	K	SH	Y	Practical	Viva voice		-	-
AN 48.4	Describe the branches of sacral plexus	K	KH	Y	Lecture	Written			
AN 48.4A	At the end of the session of phase 1, the student must be able to describe branches of sacral plexus correctly.	K	KH	Y	Lecture	Written		-	-
AN 48.5	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	K	KH	N	Lecture	Written		General Surgery	-
AN 48.5A	At the end of the session of phase 1, the student should be able to describe the anatomical basis of suprapubic cystostomy correctly.	K	KH	N	Lecture	Written			-
AN 48.5B	At the end of the session of phase 1, the student should be able to explain urinary obstruction in benign prostatic hypertrophy correctly.	K	KH	N	Lecture	Written			-
AN 48.5C	At the end of the session of phase 1, the student should be able to explain uterus in respect to retroverted & prolapses correctly.	K	KH	N	Lecture	Written			-
AN 48.5D	At the end of the session of phase 1, the student must be able to explain internal & external haemorrhoids correctly.	K	KH	N	Lecture	Written			-
AN 48.5E	At the end of the session of phase 1, the student should be able to explain Anal fistula correctly.	K	KH	N	Lecture	Written			-
AN 48.5F	At the end of the session of phase 1, the student should be able to explain Vasectomy correctly.	K	KH	N	Lecture	Written	1		-
AN 48.5G	At the end of the session of phase 1, the student should be able to explain Tubal pregnancy & Tubal Ligation correctly.	K	KH	N	Lecture	Written			-
AN 48.6	Describe the neurological basis of Automatic bladder	K	KH	N	Lecture	Written		General Surgery	-
AN 48.6A	At the end of the session of phase 1, the student should be able to describe neurological basis of automatic bladder correctly.	K	KH	N	Lecture	Written			-
AN 48.7	Mention the lobes involved in benign prostatic hypertrophy & prostatic cancer	K	KH	N	Lecture	Written		General Surgery	
AN 48.7A	At the end of the session of phase 1, the student should be able to mention prostatic in respect to being prostatic hypertrophy correctly.	K	KH	N	Lecture	Written			
AN 48.7B	At the end of the session of phase 1, the student should be able to mention prostatic in respect to being prostatic cancer correctly.	K	KH	N	Lecture	Written			-
AN 48.8	Mention the structures palpable during vaginal & rectal examination	K	KH	N	Lecture	Written		OBG	-

AN 48.8A	At the end of the session of phase 1, the student should be able to mention structure palpable during vaginal & rectal examination correctly.	K	KH	N	Lecture	Written			-
AN 48.8B	At the end of the session of phase 1, the student should be able to mention structure palpable during vaginal & rectal examination correctly.	K	KH	N	Lecture	Written			-
	<u>Topic:Perineum</u>	Domain K/S/A/C	Level K/KH/SH/P	Core (Y/N)	Teaching-Learning Methods	Assessment Methods	Number required to certify P	Vertical Integration	Horizontal Integration
AN 49.1	Describe & demonstrate the superficial & deep perineal pouch (boundaries and contents)	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		Obstetrics & Gynaecology	
AN 49.1A	At the end of the session of phase 1, the student must be able to describe boundaries & contents of superficial Perineal pouch correctly.	K	KH	Y	Lecture	Written			-
AN 49.1B	At the end of the session of phase 1, the student must be able to Demonstrate boundaries & contents of superficial Perineal pouch accurately.	K	SH	Y	Practical	Viva voice			-
AN 49.1C	At the end of the session of phase 1, the student must be able to Describe boundaries & contents of deep Perineal pouch correctly.	K	KH	Y	Lecture	Written			
AN 49.1D	At the end of the session of phase 1, the student must be able to Demonstrate boundaries & contents of deep Perineal pouch accurately.	K	SH	Y	Practical	Viva voice			
AN 49.2	Describe & identify Perineal body	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		Obstetrics & Gynaecology	
AN 49.2A	At the end of the session of phase 1, the student must be able to describe the Perineal body correctly.	K	KH	Y	Lecture	Written			-
AN 49.2B	At the end of the session of phase 1, the student must be able to indentify the Perineal body accurately.	K	SH	Y	Practical	Viva voice		OBG	-
AN 49.3	Describe & demonstrate Perineal membrane in male & female	K/S	SH	Y	Practical,	Written/ Viva			

					Lecture, Small group discussion, DOAP session	voce/ skill assessment			
AN 49.3A	At the end of the session of phase 1, the student must be able describe Perineal membarne in male correctly.	K	KH	Y	Lecture	Written		-	-
AN 49.3B	At the end of the session of phase 1, the student must be able to demonstrate Perineal membarne in male accurately.	K	SH	Y	Practical	Viva voce		-	-
AN 49.3C	At the end of the session of phase 1, the student must be able to describe Perineal membarne in Female correctly.	K	KH	Y	Lecture	Written		-	-
AN 49.3D	At the end of the session of phase 1, the student must be able to demonstrate Perineal membarne in Female accurately.	K	SH	Y	Practical	Viva voce		-	-
AN 49.4	Describe & demonstrate boundaries, content & applied anatomy of Ischiorectal fossa	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			General Surgery
AN 49.4A	At the end of the session of phase 1, the student must be able to describe ischiorectal fossa in respect to boundaries, content & applied anatomy correctly.	K	KH	Y	Lecture	Written			-
AN 49.4B	At the end of the session of phase 1, the student must be able to demonstrate ischiorectal fossa in respect to boundaries, content & applied anatomy accurately.	K	SH	Y	Practical	Viva voce			-
AN 49.5	Explain the anatomical basis of Perineal tear, Episiotomy, Perianal abscess and Anal fissure	K	KH	N	Lecture	Written			Obstetrics & Gynaecology
AN 49.5A	At the end of the session of phase 1, the student should be able to explain the anatomical basis of Perineal tear correctly.	K	KH	N	Lecture	Written			-
AN 49.5B	At the end of the session of phase 1, the student should be able to explain the anatomical basis of episiotomy correctly.	K	SH	N	Practical	Viva voce			-
AN 49.5C	At the end of the session of phase 1, the student should be able to explain the anatomical basis of Perineal abscess correctly.	K	KH	N	Lecture	Written			-
AN 49.5D	At the end of the session of phase 1, the student should be able to explain the anatomical basis of Anal fissure correctly.	K	KH	N	Lecture	Written			-
	<u>Topic: Vertebral column</u>								
AN 50.1	Describe the curvatures of the vertebral column	K	KH	Y	Lecture	Written/Viva voce			
AN 50.1A	At the end of the session of phase 1, the student must be able to describe the curvatures of vertibral column correctly.	K	KH	Y	Lecture	Written		-	-
AN 50.2B	Describe & demonstrate the type, articular ends, ligaments and	K/S	SH	Y	Practical,	Written/ Viva			

	movements of Intervertebral joints, Sacroiliac joints & Pubic symphysis				Lecture, Small group discussion, DOAP session	voce/ skill assessment			
AN 50.2C	at the end of the session of phase 1, the student must be able to describe interavertebral joints in respect to type, articular ends, ligaments & movements correctly.	K	KH	Y	Lecture	Written		-	-
AN 50.2D	At the end of the session of phase 1, the student must be able to demonstrate interavertebral joints in respect to type, articular ends, ligaments & movements accurately.	K	SH	Y	Practical	Viva voce		-	-
AN 50.2E	At the end of the session of phase 1, the student must be able to describe sacro oiliac joints in respect to type, articular ends, ligaments & movements correctly.	K	KH	Y	Lecture	Written		-	-
AN 50.2F	At the end of the session of phase 1, the student must be able to demonstrate sacro oiliac joints in respect to type, articular ends, ligaments & movements accurately.	K	SH	Y	Practical	Viva voce		-	-
AN 50.2G	At the end of the session of phase 1, the student must be able to describe public symphysis in respect to type, articular ends, ligaments & movements correctly.	K	KH	Y	Lecture	Written		-	-
AN 50.2H	At the end of the session of phase 1, the student must be able to demonstrate public symphysis in respect to type, articular ends, ligaments & movements accurately.	K	SH	Y	Practical	Viva voce		-	-
AN 50.3	Describe lumbar puncture (site, direction of the needle, structures pierced during the lumbar puncture)	K	KH	Y	Lecture	Written/Viva voce		General medicine	-
AN 50.3A	At the end of the session of phase 1, the student must be able to define lumber puncture correctly.	K	K	Y	Lecture	Written			-
AN 50.3A	At the end of the session of phase 1, the student must be able to describe lumber puncture in respect to site , direction of needle & structure pierced correctly.	K	KH	Y	Lecture	Written			-
AN 50.4	Explain the anatomical basis of Scoliosis, Lordosis, Prolapsed disc, Spondylolisthesis & Spina bifida	K	KH	N	Lecture	Written		Orthopedics	-
AN 50.4A	At the end of the session of phase 1, the student should be able to explain anatomical basis of scoliosis correctly.	K	KH	N	Lecture	Written			-
AN 50.4B	At the end of the session of phase 1, the student should be able to explain anatomical basis of lordosis correctly.	K	KH	N	Lecture	Written			-
AN 50.4C	At the end of the session of phase 1, the student should be able to explain anatomical basis of prolapsed disc correctly.	K	KH	N	Lecture	Written		Ortho	-
AN 50.4D	At the end of the session of phase 1, the student should be able to explain anatomical basis of spondylolisthesis correctly.	K	KH	N	Lecture	Written			-
AN 50.4E	At the end of the session of phase 1, the student should be able to explain anatomical basis of spina bifida correctly.	K	KH	N	Lecture	Written			-
AN 51.1	Describe & identify the cross-section at the level of T8, T10 and L1	K/S	SH	Y	Practical,	Written/ Viva		Radiodiag	-

	(transpyloric plane)				Lecture, Small group discussion, DOAP session	voce/ skill assessment		nosis	
AN 51.1A	At the end of the session of phase 1, the student must be able to describe gross section at the level of T8 correctly.	K	KH	Y	Lecture	Written			-
AN 51.1B	At the end of the session of phase 1, the student must be able to indentify gross section at the level of T8 accurately.	K	SH	Y	Practical	Viva voice			-
AN 51.1C	At the end of the session of phase 1, the student must be able to describe gross section at the level of T10 correctly.	K	KH	Y	Lecture	Written			-
AN 51.1D	At the end of the session of phase 1, the student must be able to indentify gross section at the level of T10 accurately.	K	SH	Y	Practical	Viva voice			-
AN 51.1E	At the end of the session of phase 1, the student must be able to describe the gross anatomical level of transpyloric plane L1 Correctly.	K	KH	Y	Lecture	Written			-
AN 51.1F	At the end of the session of phase 1, the student must be able to indentify the gross anatomical level of transpyloric plane L1 accurately.	S	SH	Y	Practical	Viva voice			-
AN 51.2	Describe & identify the midsagittal section of male and female pelvis	K	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		Radiodiagnosis	
AN 51.2A	At the end of the session of phase 1, the student must be able to describe midsasagittal section of male pelvis correctly.	K	KH	Y	Lecture	Written			-
AN 51.2B	At the end of the session of phase 1, the student must be able to indentify midsasagittal section of male pelvis accurately.	S	SH	Y	Practical	Viva voice			-
AN 51.2C	At the end of the session of phase 1, the student must be able to describe midsasagittal section of Female pelvis correctly.	K	KH	Y	Lecture	Written			-
AN 51.2D	At the end of the session of phase 1, the student must be able to indentify midsasagittal section of Female pelvis accurately.	S	SH	Y	Practical	Viva voice			-
	<u>TOPIC:Histology & Embryology</u>								
AN 52.1	Describe & identify the microanatomical features of Gastro-intestinal system: Oesophagus, Fundus of stomach, Pylorus of stomach, Duodenum, Jejunum, Ileum, Large intestine, Appendix, Liver, Gall bladder, Pancreas & Suprarenal gland	K/S	SH	Y	Lecture Practical,	Written/ skill assessment			
AN52.1A	At the end of the session of phase 1, the student must be able to describe micro anatomical features of GIT in respect to oesophagus, fundus of stomach & plyorus of stomach correctly.	K	KH	Y	Lecture	Written			

AN52.1B	At the end of the session of phase 1, the student must be able to indentify micro anatomical features of GIT in respect to oesophagus, fundus of stomach, & plyorus of stomach accurately.	S	SH	Y	Practical	Viva voice			
AN52.1C	At the end of the session of phase 1, the student must be able to describe the micro anatomical features of GIT in respect to Duodenum & Jejunum correctly.	K	KH	Y	Lecture	Written			
AN52.1D	At the end of the session of phase 1, the student must be able to indentify the micro anatomical features of GIT in respect to Duodenum & Jejunum accurately.	S	SH	Y	Practical	Viva voice			
AN 52.1E	At the end of the session of phase 1, the student must be able to describe the micro anatomical features of GIT in respect to large intestine & Apendix correctly.	K	KH	Y	Lecture	Written			
AN 52.1F	At the end of the session of phase 1, the student must be able to indentify the micro anatomical features of GIT in respect to large intestine & Apendix accurately.	S	SH	Y	Practical	Viva voice			
AN 52.1G	At the end of the session of phase 1, the student must be able to describe the micro anatomical features of GIT in respect to liver & Gall bladder correctly.	K	KH	Y	Lecture	Written			
AN 52.1H	At the end of the session of phase 1, the student must be able to indentify the micro anatomical features of GIT in respect to liver & Gall bladder accurately.	K	SH	Y	Practical	Viva voice			
AN 52.1I	At the end of the session of phase 1, the student must be able to describe the micro anatomical features of Pancreas correctly.	K	KH	Y	Lecture	Written		-	-
AN 52.1J	At the end of the session of phase 1, the student must be able to indentify the micro anatomical features of Pancreas accurately.	K	SH	Y	Practical	Viva voice		-	-
AN 52.1K	At the end of the session of phase 1, the student must be able to describe the micro anatomical features of suprarenal gland correctly.	K	KH	Y	Lecture	Written		-	-
AN52.1L	At the end of the session of phase 1, the student must be able to indentify the micro anatomical features of suprarenal gland accurately.	K	SH	Y	Practical	Viva voice		-	-
AN 52.2	Describe & identify the microanatomical features of: Urinary system: Kidney, Ureter & Urinary bladder Male Reproductive System: Testis, Epididymis, Vas deferens, Prostate & penis Female reproductive system: Ovary, Uterus, Uterine tube, Cervix, Placenta & Umbilical cord	K/S	SH	Y	Lecture Practical,	Written/ skill assessment			
AN 52.2A	At the end of the session of phase 1, the student must be able to describe the micro anatomical feature of unary system in respect to kidney, ureter & urinary bladder correctly.	K	KH	Y	Lecture	Written		-	-
AN 52.2B	At the end of the session of phase 1, the student must be able to indentify the micro anatomical feature of unary system in respect to kidney, ureter & urinary bladder accurately.	K	SH	Y	Practical	Viva voice		-	-

AN 52.2C	At the end of the session of phase 1, the student must be able to describe the micro anatomical feature of Male reproductive system in respect to testis, epididymis, vas deferens, prostate & penis correctly.	K	KH	Y	Lecture	Written		-	-
AN 52.2D	At the end of the session of phase 1, the student must be able to identify the micro anatomical feature of Male reproductive system in respect to testis, epididymis, vas deferens, prostate & penis accurately.	K	SH	Y	Practical	Viva voce		-	-
AN 52.2E	At the end of the session of phase 1, the student must be able to describe the micro anatomical feature of Male reproductive system in respect to Ovary, Uterus, uterine tube, cervix, placenta & umbilic cord correctly.	K	KH	Y	Lecture	Written		-	-
AN 52.2F	At the end of the session of phase 1, the student must be able to identify the micro anatomical feature of Male reproductive system in respect to Ovary, Uterus, uterine tube, cervix, placenta & umbilic cord accurately.	K	SH	Y	Practical	Viva voce		-	-
AN 52.3	Describe & identify the microanatomical features of Cardioesophageal junction, Corpus luteum	K/S	SH	N	Lecture Practical,	Written/ skill assessment			
AN 52.3A	At the end of the session of phase 1, the student should be able to describe the micro anatomical feature of cardioesophageal junction correctly.	K	KH	N	Lecture	Written		-	-
AN 52.3B	At the end of the session of phase 1, the student should be able to identify the micro anatomical feature of cardioesophageal junction accurately.	K	SH	N	Practical	Viva voce		-	-
AN 52.3C	At the end of the session of phase 1, the student must be able to describe the micro anatomical feature of corpus luteum correctly.	K	KH	N	Lecture	Written		-	-
AN 52.3D	At the end of the session of phase 1, the student should be able to identify the micro anatomical feature of corpus luteum accurately.	K	SH	N	Practical	Viva voce		-	-
AN 52.4	Describe the development of anterior abdominal wall	K	KH	N	Lecture	Written/Viva voce/			
AN 52.4A	At the end of the session of phase 1, the student must be able to discuss the development of anterior abdominal wall correctly.	K	KH	Y	Lecture	Written			-
AN 52.5	Describe the development and congenital anomalies of Diaphragm	K	KH	Y	Lecture	Written/Viva voce/		General Surgery	
AN 52.5A	At the end of the session of phase 1, the student must be able to describe the diaphragm in respect to its development & congenital anomalies correctly.	K	KH	Y	Lecture	Written			-
AN 52.6	Describe the development and congenital anomalies of: Foregut, Midgut & Hindgut	K	KH	Y	Lecture	Written/Viva voce/		General Surgery	
AN 52.6A	At the end of the session of phase 1, the student must be able to Describe foregut in respect to its development & congenital anomalies correctly.	K	KH	Y	Lecture	Written			-

AN 52.6B	At the end of the session of phase 1, the student must be able to Describe Midgut in respect to its development & congenital anomalies correctly.	K	KH	Y	Lecture	Written			-
AN 52.6C	At the end of the session of phase 1, the student must be able to Describe Hindgut in respect to its development & congenital anomalies correctly.	K	KH	Y	Lecture	Written			-
AN 52.7	Describe the development of Urinary system	K	KH	Y	Lecture	Written/Viva voce/		General Surgery	
AN 52.7A	At the end of the session of phase 1, the student must be able to describe the development of Urinary system correctly.	K	KH	Y	Lecture	Written			-
AN 52.8	Describe the development of male & female reproductive system	K	KH	Y	Lecture	Written/Viva voce/		Obstetrics & Gynaecology	
AN 52.8A	At the end of the session of phase 1, the student must be able to describe the development of Female reproductive system correctly.	K	KH	Y	Lecture	Written			-
AN 52.8B	At the end of the session of phase 1, the student must be able to describe the development of Male reproductive system correctly.	K	KH	Y	Lecture	Written			-
	<u>Osteology</u>								
AN 53.1	Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups	K/S	SH	Y	Lecture, DOAP session	Viva voce/ skill assessment		General Surgery & Obstetrics & Gynaecology	
AN 53.1A	At the end of the session of phase 1, the student must be able to Describe pelvic bone in respect to salient features articulation muscle attachments correctly.	K	KH	Y	Lecture	Written			-
AN 53.1B	At the end of the session of phase 1, the student must be able to demonstrate the pelvic bone in respect to anatomical position, feature, articulation & attachment of muscle group accurately.	K	SH	Y	Practical	Viva voce			-
AN 53.2	Demonstrate the anatomical position of bony pelvis & show boundaries of pelvic inlet, pelvic cavity, pelvic outlet	K/S	SH	Y	Lecture, DOAP session	Viva voce/ skill assessment		General Surgery & Obstetrics & Gynaecology	
AN 53.2A	At the end of the session of phase 1, the student must be able to describe bony pelvic in respect to anatomical position accurately.	K	KH	Y	lecture	Viva voce			-
AN 53.2B	At the end of the session of phase 1, the student must be able to demonstrate bony pelvic in respect to anatomical position accurately.	S	SH	Y	DOAP	Viva voce			-
AN 53.2C	At the end of the session of phase 1, the student must be able to show boundaries of bony pelvic in respect to pelvic inlet, pelvic cavity, pelvic outlet accurately.	S	SH	Y	DOAP	Viva voce			-

AN 53.3	Define true pelvis and false pelvis and demonstrate sex determination in male & female bony pelvis	K/S	SH	Y	Lecture, DOAP session	Viva voce/ skill assessment		General Surgery & Obstetrics & Gynaecology	
AN 53.3A	At the end of the session of phase 1, the student must be able to define pelvis in respect to true pelvis & false pelvis correctly.	K	KH	Y	Lecture	Written			-
AN 53.3B	At the end of the session of phase 1, the student must be able to demonstrate the determination in male pelvic accurately.	S	SH	Y	DOAP	Viva voce			-
AN 53.3C	At the end of the session of phase 1, the student must be able to demonstrate the determination in Female pelvic accurately.	S	SH	Y	DOAP	Viva voce			-
AN 53.4	Explain and demonstrate clinical importance of bones of abdominopelvic region (sacralization of lumbar vertebra, Lumbarization of 1st sacral vertebra, types of bony pelvis & Coccyx)	K/S	SH	N	Lecture, DOAP session	Viva voce/ skill assessment			
AN 53.4A	At the end of the session of phase 1, the student should be able to explain clinical importance of abdominopelvic reason in respect to sacralization of lumbar vertebra & lumbarization of first sacral vertebra correctly.	K	KH	N	Lecture	Written			
AN 53.4B	At the end of the session of phase 1, the student should be able to demonstrate clinical importance of abdominopelvic reason in respect to sacralization of lumbar vertebra & lumbarization of first sacral vertebra accurately.	S	SH	N	DOAP	Viva voce			
AN 53.4C	At the end of the session of phase 1, the student should be able to explain type of bony pelvis & coccyx correctly.	K	KH	N	Lecture	Written			
AN 53.4D	At the end of the session of phase 1, the student should be able to demonstrate type of bony pelvis & coccyx accurately.	S	SH	N	DOAP	Viva voce			
	<u>Topic: RADIODIAGNOSIS</u>								
AN 54.1	Describe & identify features of plain X ray abdomen	K/S	SH	Y	Lecture, DOAP session	Viva voce/ skill assessment		Radiodiagnosis	
AN 54.1A	At the end of the session of phase 1, the student must be able to describe features of plain X-ray abdomen correctly.	K	KH	Y	Lecture	Written			-
AN 54.1B	At the end of the session of phase 1, the student must be able to identify features of plain X-ray abdomen accurately.	S	SH	Y	DOAP	Viva voce			-
AN 54.2	Describe & identify the special radiographs of abdominopelvic region (contrast X ray Barium swallow, Barium meal, Barium enema, Cholecystography, Intravenous pyelography & Hysterosalpingography)	K/S	SH	Y	Lecture, DOAP session	Viva voce/ skill assessment		Radiodiagnosis	

AN 54.2A	At the end of the session of phase 1, the student must be able to Describe special radio graphs of GIT in use to barium swallow barium meal, barium enema correctly.	K	KH	Y	Lecture	Written			-
AN 54.2B	At the end of the session of phase 1, the student must be able to indentify special radio graphs of GIT in use to barium swallow barium meal, barium enema accurately.	S	SH	Y	DOAP	Viva voice			-
AN 54.2C	At the end of the session of phase 1, the student must be able to discuss the special radio graphs of billiary appartutus in respect to choelcystography correctly.	K	KH	Y	Lecture	Written			-
AN 54.2D	At the end of the session of phase 1, the student must be able to indentify choelcystography accurately.	S	SH	Y	DOAP	Viva voice			-
AN 54.2E	At the end of the session of phase 1, the student must be able to describe intravenous pyelography correctly.	K	KH	Y	Lecture	Written			-
AN 54.2F	At the end of the session of phase 1, the student must be able to indentify intravenous pyelography accurately.	S	SH	Y	DOAP	Viva voice			-
AN 54.2G	At the end of the session of phase 1, the student must be able to describe the hysterosalpingography correctly.	K	KH	Y	Lecture	Written			-
AN 54.2H	At the end of the session of phase 1, the student must be able to identify the hysterosalpingography accurately.	S	SH	Y	DOAP	Viva voice			-
AN 54.3	Describe role of ERCP, CT abdomen, MRI, Arteriography in radiodiagnosis of abdomen	K	KH	N	Lecture	Viva voice		Radio diagnosis	-
AN 54.3A	At the end of the session of phase 1, the student should be able to describe role of ERCP, in radio diagnosis of abdomen correctly.	K	KH	N	Lecture	Viva voice			-
AN 54.3B	At the end of the session of phase 1, the student should be able to describe role of city abdomen in radio diagnosis of abdomen correctly.	K	KH	N	Lecture	Viva voice			-
AN 54.3C	At the end of the session of phase 1, the student should be able to describe role of MRI in radio diagnosis of abdomen correctly.	K	KH	N	Lecture	Viva voice			-
AN 54.3D	At the end of the session of phase 1, the student must be able to describe the role of arteriography in radio diagnosis abdomen accurately.	K	KH	N	Lecture	Viva voice			-
AN 55.1	Demonstrate the surface marking of; Regions and planes of abdomen, Superficial inguinal ring, Deep inguinal ring , McBurney's point, Renal Angle & Murphy's point	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Viva voce/ skill assessment		General Surgery	
AN 55.1A	At the end of the session of phase 1, the student must be able to describe surface marking of abdomen in respect to superficial inguinal ring, deep inguinal ring, McBurney' point, renal Angle & murphy' point accurately.	K	KH	Y	practical	Viva voice			-
AN 55.1B	At the end of the session of phase 1, the student must be able to demonstrate surface marking of abdomen in respect to planes & regions accurately.	S	SH	Y	practical	Viva voice			-

AN 55.1C	At the end of the session of phase 1, the student must be able to demonstrate surface marking of abdomen in respect to superficial inguinal ring, deep inguinal ring, McBurney' point, renal Angle & murphy' point accurately.	S	SH	Y	practical	Viva voice			-
AN 55.2	Demonstrate the surface projections of: Stomach, Liver, Fundus of gall bladder, Spleen, Duodenum, Pancreas, Ileocaecal junction, Kidneys & Root of mesentery	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Viva voce/ skill assessment		General Surgery	
AN 55.2A	At the end of the session of phase 1, the student must be able to describe surface projections of abdominal funds in respect to stomach, liver funds of gall bladder spleen duodenum, peancreas, ileocaecal junction kidney & root of mesentery accurately.	K	KH	Y	practical	Viva voice			-
AN 55.2B	At the end of the session of phase 1, the student must be able to demonstrate surface projections of abdominal funds in respect to stomach, liver funds of gall bladder spleen duodenum, peancreas, ileocaecal junction kidney & root of mesentery accurately.	K	SH	Y	practical	Viva voice			-
	<u>Topic: Meninges & CSF</u>								
AN 56.1	Describe & identify various layers of meninges with its extent & modifications	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General Medicine	
AN 56.1A	At the end of the session of phase 1, the student must be able to describe meanings in respect to various layers its limit and modification correctly.	K	KH	Y	Lecture	Written			-
AN 56.1B	At the end of the session of phase 1, the student must be able to indentify meanings in respect to various layers its limit and modification accurately.	K	SH	Y	practical	Viva voice			-
AN 56.2	Describe circulation of CSF with its applied anatomy	K	KH	Y	Lecture	Written/ Viva voce		General Medicine	Physiology
AN 56.2A	At the end of the session of phase 1, the student must be able to describe CSF in respect to its circulation correctly.	K	K	Y	Lecture	Written			Physiology
AN 56.2B	At the end of the session of phase 1, the student must be able to describe CSF in respect to its applied anatomy correctly.	K	KH	Y	Lecture	Written			
	<u>Topic:Spinal Cord</u>								
AN 57.1	Identify external features of spinal cord	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			

AN 57.1A	At the end of the session of phase 1, the student must be able to describe external features of spinal cord accurately.	K	KH	Y	practical	Viva voice		-	-
AN 57.1B	At the end of the session of phase 1, the student must be able to identify external features of spinal cord accurately.	K	SH	Y	practical	Viva voice		-	-
AN 57.2	Describe extent of spinal cord in child & adult with its clinical implication	K	KH	Y	Lecture	Written/ Viva voce			
AN 57.2A	At the end of the session of phase 1, the student must be able to describe spinal cord in child in respect to its limit & clinical implication correctly.	K	KH	Y	Lecture	Written		-	-
AN 57.2B	At the end of the session of phase 1, the student must be able to describe spinal cord in adult in respect to its limit & clinical implication correctly.	K	KH	Y	Lecture	Written		-	-
AN 57.3	Draw & label transverse section of spinal cord at mid-cervical & mid-thoracic level	K	KH	Y	Lecture	Written/ Viva voce		-	-
AN 57.3A	At the end of the session of phase 1, the student must be able to draw & label transverse section of spinal cord at mid cervical correctly.	K	KH	Y	Lecture	Written		-	-
AN 57.3B	At the end of the session of phase 1, the student must be able to draw & label transverse section of spinal cord at mid thoracic level correctly.	K	KH	Y	Lecture	Written		-	-
AN 57.4	Enumerate ascending & descending tracts at mid thoracic level of spinal cord	K	KH	Y	Lecture	Written/ Viva voce		General medicine	Physiology
AN 57.4A	At the end of the session of phase 1, the student must be able to enumerate ascending tracts at mid thoracic level of spinal cord correctly.	K	KH	Y	Lecture	Written			
AN 57.4B	At the end of the session of phase 1, the student must be able to enumerate descending tracts at mid thoracic level of spinal cord correctly.	K	KH	Y	Lecture	Written			Physiology
AN 57.5	Describe anatomical basis of syringomyelia	K	KH	N	Lecture	Written/ Viva voce		General medicine	Physiology
AN 57.5A	At the end of the session of phase 1, the student should be able to describe anatomical basis of syringomyelia correctly.	K	KH	N	Lecture	Written			
	<u>Topic: medulla Oblongata</u>								
AN 58.1	Identify external features of medulla oblongata	K/S	SH	Y	Lecture, DOAP session	Written/ Viva voce/ skill assessment			
AN 58.1A	At the end of the session of phase 1, the student must be able to identify external features of medulla oblongata correctly.	S	SH	Y	DOAP	Viva voice			

AN.58.2	Describe transverse section of medulla oblongata at the level of 1) pyramidal decussation, 2) sensory decussation 3) ION	K	KH	Y	Lecture	Written/ Viva voce			
AN.58.2A	At the end of the session of phase 1, the student must be able to Describe transverse section of medulla oblongat at the leval of leavel pyarmidal decussation correctly	K	KH	Y	Lecture	Written			
AN.58.2B	At the end of the session of phase 1, the student must be able to discribe transverse section of medulla oblongat at the leval of leavel sensory decussation correctly .	K	KH	Y	Lecture	Written			
AN.58.2C	At the end of the session of phase 1, the student must be able to discribe transver sesection of medulla oblongat at the leval of leavel	K	KH	Y	Lecture	Written		-	-
AN.58.3	Enumerate cranial nerve nuclei in medulla oblongata with their functional group	K	KH	Y	Lecture	Written/ Viva voce			Physiology
AN.58.3A	At the end of the session of phase 1, the student must be able to enumerate cranial nerve nuclei in medula oblongata with their functional group correctly .	K	KH	Y	Lecture	Written		-	physiology
AN.58.4	Describe anatomical basis & effects of medial & lateral medullary syndrome	K	KH	N	Lecture	Written/ Viva voce		General medicine	Physiology
AN.58.4A	At the end of the session of phase 1, the student should be able to describe anatomical basis & effects of medial medullary syndrome correctly .	K	KH	N	Lecture	Written			
AN.58.4B	At the end of the session of phase 1, the student should be able to describe anatomical basis & effects of medial medullary syndrome correctly .	K	KH	N	Lecture	Written			Physiolog
	<u>Topic :Pons</u>								
AN.59.1	Identify external features of pons.	K/S	SH	Y	Lecture, DOAP session	Written/ Viva voce/ skill assessment			Physiology
AN59.1A	At the end of the session of phase 1, the student must be able to explainexternal features of pons correctly .	K	KH	Y	Lecture	written			
AN.59.1B	At the end of the session of phase 1, the student must be able to Identify external features of pons correctly .	S	SH	Y	DOAP	Skill assesment		-	Physiolog
AN.59.2	Draw & label transverse section of pons at the upper and lower level	K	KH	Y	Lecture	Written/ Viva voce			
AN.59.2A	At the end of the session of phase 1, the student must be able to draw & labet ransverse section of pons at the upper level correctly.	K	KH	Y	Lecture	Written		-	-

AN.59.2B	At the end of the session of phase 1, the student must be able to draw & label transverse section of pons at the lower level correctly .	K	KH	Y	Lecture	Written		-	-
AN.59.3	Enumerate cranial nerve nuclei in pons with their functional group	K	KH	Y	Lecture	Written/ Viva voce			
AN.59.3A	At the end of the session of phase 1, the student must be able to Enumerate cranial nerve nuclei in pons with their functional group in pons correctly.	K	KH	Y	Lecture	Written		-	-
	<u>TOPIC:Cerebellum</u>								
AN.60.1	Describe & demonstrate external & internal features of cerebellum	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			
AN.60.1A	At the end of the session of phase 1, the student must be able to describe cerebellum in respect to external & internal features correctly .	K	KH	Y	Lecture	Written		-	-
AN.60.1B	At the end of the session of phase 1, the student must be able to demonstrate cerebellum in respect to external & internal features accurately.	K	SH	Y	practical	Viva voce		-	-
AN.60.2	Describe connections of cerebellar cortex and intracerebellar nuclei	K	KH	Y	Lecture	Written/ Viva voce		-	-
AN.60.2A	At the end of the session of phase 1, the student must be able to describe connections of cerebellar cortex and intracerebellar nuclei correctly	K	KH	Y	Lecture	Written		-	-
AN.60.3	Describe anatomical basis of cerebellar dysfunction	K	KH	N	Lecture	Written/ Viva voce		General medicine	Physiology
AN.60.3A	At the end of the session of phase 1, the student should be able to describe anatomical basis of cerebellar dysfunction correctly .	K	KH	N	Lecture	Written			Physiology
	Mid brain								
AN.61.1	Identify external & internal features of midbrain	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			

AN61.1A	At the end of the session of phase 1, the student must be able to describe mid brain in respect to external & internal features accurately.	K	KH	Y	Lecture	written			
AN.61.1A	At the end of the session of phase 1, the student must be able to identify mid brain in respect to external & internal features accurately.	K	SH	Y	practical	Vivo voce		-	-
AN.61.2	Describe internal features of midbrain at the level of superior & inferior colliculus	K	KH	Y	Lecture	Written/ Viva voce/		-	-
AN.61.2A	At the end of the session of phase 1, the student must be able to describe internal features of midbrain at the level of superior colliculus correctly .	K	KH	Y	Lecture	Written		-	-
AN.61.2B	At the end of the session of phase 1, the student must be able to describe internal features of midbrain at the level of inferior icolliculus correctly .	K	KH	Y	Lecture	Written		-	-
AN.61.3	Describe anatomical basis & effects of Benedikt's and Weber's syndrome	K	KH	N	Lecture	Written		General medicine	Physiology
AN.61.3A	At the end of the session of phase 1, the student should be able to describe anatomical basis & effects of Benedikt syndrome correctly.	K	KH	N	Lecture	Written			
AN.61.3B	At the end of the session of phase 1, the student should be able to describe anatomical basis & effects of Weber's syndrome correctly.	K	KH	N	Lecture	Written			Physiology
	<u>Cranial nerve nuclei & Cerebral hemispheres</u>								
AN.62.1	Enumerate cranial nerve nuclei with its functional component	K	KH	Y	Lecture	Written/ Viva voce		-	
AN.62.1A	At the end of the session of phase 1, the student must be able to enumerate cranial nerve nucli with its functional component correctly.	K	KH	Y	Lecture	Written		-	-
AN.62.2B	Describe & demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere.	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General medicine	Physiology
AN.62.2C	At the end of the session of phase 1, the student must be able to describe cerebral hemisphere in respect to surfaces, sulci, gyri, poles correctly.	K	KH	Y	Lecture	Written			

AN.62.2D	At the end of the session of phase 1, the student must be able to demonstrate cerebral hemisphere in respect to surfaces, sulci, gyri, poles accurately.	K	KH	Y	Lecture	Written			Physiolog
AN.62.2E	At the end of the session of phase 1, the student must be able to describe Functional area of Culture hemisphere correctly.	K	SH	Y	practical	Written			
AN.62.2F	At the end of the session of phase 1, the student must be able to demonstrate Functional area of Culture hemisphere correctly.	K	KH	Y	Lecture	Written			Physiolog
AN.62.3	Describe the white matter of cerebrum	K	KH	Y	Lecture	Written/ Viva voce/		General medicine	Physiology
AN.62.3A	At the end of the session of phase 1, the student must be able to describe he white matter of cerebrum correctly.	K	KH	Y	Lecture	Written			Physiolog
AN.62.4	Enumerate parts & major connections of basal ganglia & limbic lobe.	K	KH	Y	Lecture	Written/ Viva voce/			Physioly
AN.62.4A	At the end of the session of phase 1, the student must be able to Enumerate basal ganglia & major connections correctly.	K	KH	Y	Lecture	Written			
AN.62.4B	At the end of the session of phase 1, the student must be able to Enumerate limbic lobe part & major connections correctly.	K	KH	Y	Lecture	Written			Physiology
AN.62.5	Describe boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus	K	KH	Y	Lecture	Written/ Viva voce/		General medicine	Physiology
AN.62.5A	At the end of the session of phase 1, the student must be able to discribe dorsal thalamus in respect to boundaries, parts, gross relations, major nuclei and connections correctly.	K	KH	Y	Lecture	Written			
AN.62.5B	At the end of the session of phase 1, the student must be able to discribe hypothalamus boundaries, parts, gross relations, major nuclei and connections correctly.	K	KH	Y	Lecture	Written			
AN.62.5C	At the end of the session of phase 1, the student must be able to discribe epithalamus in respect to oundaries, parts, gross relations, major nuclei and connections correctly.	K	KH	Y	Lecture	Written			
AN.62.5D	At the end of the session of phase 1, the student must be able to discribe metathalamusi in respect to boundaries, parts, gross relations, major nuclei and connections correctly.	K	KH	Y	Lecture	Written			Physiology
AN.62.6	Describe & identify formation, branches & major areas of distribution of circle of Willis.	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment		General medicine	Physiology
AN.62.6A	At the end of the session of phase 1, the student must be able to discribe circle of Willis in respect to oramation, branches & major areas of distribution correctly.	K	KH	Y	Lecture	Written			

AN.62.6B	At the end of the session of phase 1, the student must be able to identify circle of Willis in respect to ormination, branches & major areas of distribution accurately .	K	KH	Y	Lecture	Written			Physiolog
AN63.1	Describe & demonstrate parts, boundaries,& features of Illrd, IVth & lateral ventricle	K/S	SH	Y	Practical, Lecture, Small group discussion, DOAP session	Written/ Viva voce/ skill assessment			Physiology
AN63.1A	At the end of the session of phase 1, the student must be able to describe the parts of Illrd ventricle accurately	K	K	Y	Lecture	Written			
AN63.1B	At the end of the session of phase 1, the student must be able to describe the parts with boundaries of lateral ventricle accurately	K	KH	Y	Lecture	Written			
AN63.1C	At the end of the session of phase 1, the student must be able to describe the boundaries of IVth ventricle accurately	K	KH	Y	Lecture	Written			
AN63.1D	At the end of the session of phase 1, the student must be able to describe the features of Illrd ventricle accurately	K	SH	Y	Practical	Viva voce			
AN63.2	Describe anatomical basis of congenital hydrocephalus	K	KH	N	Lecture	Written		pediatrics	physiology
AN63.2A	At the end of the session of phase 1, the student should be able to describe the hydrocephalus	K	K	N	Lecture	Written			
AN63.2A	At the end of the session of phase 1, the student should be able to describe anatomical basis of congenital hydrocephalus	K	KH	N	Lecture	Written			
AN64.1	Describe & Identify microanatomical feature of spinal cord, Cerebellum, cerebrum	K/S	SH	Y	Practical, Lecture,	Written/ skill assessment			
ANT64.1A	At end of session phase -1 student must be able to describe feature Of spinal cord correctly	K	K	Y	Lecture	written		-	-
AN64.1B	At end of session phase -1 student must be able to describe feature Of cerebellum correctly	K	K	Y	Lecture	written		-	-
AN64.1C	At end of session phase -1 student must be able to describe feature Of cerebrum correctly	K	K	Y	Lecture	written		--	-
AN64,1D	At end of session phase -1 student must be able to identify micro anatomical feature Of spinal cord under microscope correctly	K	KH	Y	Practical	Viva voce			-
AN64,1E	At end of session phase -1 student must be able to identify micro anatomical feature Of cerebellum under microscope correctly	K	KH	Y	Practical	Viva voce		-	-
AN64.1F	At end of session phase -1 student must be able to identify micro anatomical feature Of cerebrum under microscope correctly	K	KH	Y	Practical	Viva voce		-	-
AN64.1G	At end of session phase -1 student must be able to explain feature	K	SH	Y	Practical	Viva voce		-	-

	Of spinal cord correctly								
AN64.2	Describe the development of neural tube, spinal cord, medulla oblongata, pons, midbrain, cerebral hemisphere & cerebellum	K	KH	Y	Lecture	Written/ Viva voce		-	-
AN64.2A	At end of session phase -1 student must be able to describe development of neural Tube	K	KH	Y	Lecture	written		-	-
AN64.2B	At end of session phase -1 student must be able to describe development of spinal cord	K	KH	Y	Lecture	written		-	-
AN64.2C	At end of session phase -1 student must be able to describe development of medulla	K	KH	Y	Lecture	written		-	-
AN64.2D	At end of session phase -1 student must be able to describe development of pons	K	KH	Y	Lecture	written		-	-
AN64.2E	At end of session phase -1 student must be able to describe development of midbrain	K	KH	Y	Lecture	written		-	-
AN64.2F	At end of session phase -1 student must be able to describe development of cerebral hemisphere	K	KH	Y	Lecture	written		-	-
AN64.2G	At end of session phase -1 student must be able to describe development of cerebellum	K	KH	Y	Lecture	written		-	-
AN64.3	Describe various types of open neural tube defects with its embryological basis	K	KH	N	Lecture	Written/voice box			Obstetrics & Gynaecology, Pediatrics
AN64.3A	At end of session phase -1 student must be able to describe open neural tube defects with embryological basis	K	KH	N	lecture	written			-
AN65.1	Identify epithelium under the microscope & describe the various types that correlate to its function.t	K/S	P	Y	Practical/written	Skill assesment			
AN65.1A	At end of session phase -1 student must be able to identify various type of epithelium under microscope	K	P	Y	Practical	Viva voce		-	-
AN65.1B	At end of session phase -1 student must be able to describe various functions of epithelium .	K	P	Y	Practical	Viva voce		-	-
AN65.2	Describe the ultrastructure of epithelium .	K	KH	N	Practical/Lecture	Written			
AN65.2A	At end of session phase -1 student should be able to describe ultrastructure of epithelium .	K	KH	N	Lecture	Written		-	-
AN66.1	identify various types of connective tissue with functional correlation	K/S	SH	Y	Practical/Lecture	Written/skill Assessment	1	physiology	

AN66.1A	At end of session phase -1 student must be able to describe connective tissue	K	KH	Y	Lecture	written		-	-
AN66.1B	At end of session phase -1 student must be able to identify connective tissue under microscope	K	KH	Y	Practical	Viva voce		-	-
AN66.1C	At end of session phase -1 student must be able to identify connective tissue with functional correlation correctly	K	SH	Y	Practical	Viva voce			
AN66.2	Describe the ultrastructure of connective tissue .	K	KH	N	Practical/Lecture	Written		pathology	
AN66.2A	At end of session phase -1 student must be able to describe ultrastructure of connective connective tissue	K	KH	N	Lecture	Written			-
AN67.1	Describe & identify various types of muscle under the microscope	K/S	SH	Y	Practical/Lecture	Written/Skill Assessment			
AN67.1A	At end of session phase -1 student must be able to describe various types of muscle	K	KH	Y	Lecture	written		-	-
AN67.1B	At end of session phase -1 student must be able to identify various types of muscle under the microscope	K	SH	Y	Practical	Viva voce		-	-
AN67.2	Classify muscle and describe the structure-function correlation of the same .	K/S	KH	Y	Lecture/practical	written			
AN67.2A	At end of session phase -1 student must be able to classify various muscle.	K	K	Y	Lecture	written			-
AN67.2B	At end of session phase -1 student must be able to describe structure of muscle	K	KH	Y	Lecture	written			
AN67.2C	At end of session phase -1 student must be able to enumerate function of muscle	K	SH	Y	Lecture	written			
AN67.3	Describe the ultrastructure of muscular tissue.	K	KH	N	Lecture/practical	Written			
AN67.3A	At end of session phase -1 student must be able to describe ultra structure muscular tissue	K	KH	N	Lecture	written			
AN68.1	Describe & Identify multipolar & unipolar neuron, ganglia, peripheral nerve	K/S	SH	Y	Lecture/practical	written/skill assesment			
AN68.1A	At end of session phase -1 student must be able to describe multipolar and unipolar neuron	K	KH	Y	lecture	written			
AN68.1B	At end of session phase -1 student must be able to describe ganglia	K	KH	Y	lecture	written			
AN68.1C	At end of session phase -1 student must be able to describe peripheral nerve	K	KH	Y	lecture	written			
AN68.1D	At end of session phase -1 student must be able to identify multipolar and unipolar neuron	K	SH	Y	Practical	viva		-	-
AN68.1E	At end of session phase -1 student must be able to identify ganglia	K	SH	Y	practical	viva		-	-
AN68.1F	At end of session phase -1 student must be able to identify peripheral nerve	K	SH	Y	practical	viva		-	-

AN68.2	Describe the structure-function correlation of neuron .	K	KH	Y	Lecture/practical	written		physiology	
AN68.2A	At end of session phase -1 student must be able to describe structure of neuron.	K	KH	Y	lecture	written			
AN68.2B	At end of session phase -1 student must be able to describe function of neuron.	K	KH	Y	lecture	Written			
AN68.3	Describe ultrastructure of nervous tissue.	K	KH	N	Lecture/practical	written			
AN68.3A	At end of session phase -1 student should be able to describe ultrastructure of nervous tissue.	K	KH	N	Lecture	written		-	-
AN69.1	Identify elastic & muscular blood vessels, capillaries under the microscope	K/S	SH	Y	Lecture/practical	Skill assessment			
AN69.1A	At end of session phase -1 student must be able to identify capillaries under microscope	K	KH	Y	practical	Skill assessment		-	-
AN69.1B	At end of session phase -1 student must be able to identify ,elastic vessels under microscope	K	SH	Y	practical	Skill assessment		-	-
AN69.1C	At end of session phase -1 student must be able to identify muscular blood vessels under microscope	K	SH	Y	practical	Skill assessment		-	-
AN69.2	Describe the various types and structure-function correlation of blood Vessel.	K	KH	Y	Lecture practical	written			
AN69.2A	At end of session phase -1 student must be able to describe various type of blood vessels'	k	KH	Y	Lecture	written		-	-
AN69.2B	At end of session phase -1 student must be able to enumerate function of blood vessels	K	KH	Y	Lecture	written			-
AN69.3	Describe the ultrastructure of blood vessels .	K	KH	Y	Lecture/practical	Written			
AN69.3A	At end of session phase -1 student must be able to describe ultrastructure of blood vessels	K	KH	Y	Lecture	written		-	-
AN70.1	Identify exocrine gland under the microscope & distinguish between serous, mucous and mixed acini.	K/S	SH	Y	Lecture/Practical	written/skill assessment		pathology	
AN70.1A	At end of session phase -1 student must be able to distinguish between serous,mucus and mixed acini.	K	KH	Y	lecture	written			-
AN70.1B	At end of session phase -1 student must be able to identify exocrine gland under the microscope	K	SH	Y	practical	Skill assessment			-
AN70.2	Identify the lymphoid tissue under the microscope & describe microanatomy of lymph node, spleen, thymus, tonsil and correlate the structure with function.	K/S	SH	Y	Lecture/Practical	written/skill assesment		pathology	
AN70.2A	At end of session phase -1 student must be able to describe lymph node correctly	K	KH	Y	lecture	written			
AN70.2B	At end of session phase -1 student must be able to describe spleen correctly	K	KH	Y	lecture	written			

AN 70.2C	At end of session phase -1 student must be able to describe thymus	K	KH	Y	lecture	written			-
AN 70.2D	At end of session phase -1 student must be able to describe tonsil correctly	K	KH	Y	lecture	written			-
AN 70.2E	At end of session phase -1 student must be able to correlate the structure with function of lymph node, spleen thymus and tonsil correctly	K	SH	Y	lecture	written			-
AN70.2F	At end of session phase -1 student must be able to identify microanatomy of lymphoid tissue under microscope correctly	S	SH	Y	practical	Skill assessment			
AN 71.1	Identify bone under the microscope; classify various types and describe the structure-function correlation of the same.	K/S	SH	Y	Lecture/ practical	Written//skill		Pathology	
AN 71.1A	At end of session phase -1 student must be able to define structure of bone correctly	K	KH	Y	lecture	written			-
71.1B	At end of session phase -1 student must be able to define structure function of bone	K	KH	Y	lecture	written			
AN 71C	At end of session phase -1 student must be able to classify various types of bone correctly	K	KH	Y	lecture	written			-
AN 71.1D	At end of session phase -1 student must be able to identify bone under the microscope correctly	S	SH	Y	practical	Skill assessment			--
AN 71.2	Identify cartilage under the microscope & describe various types and structure- function correlation of the same.	K/S	SH	Y	lecture	Practical/written/skill		pathology	
AN 71.2A	At end of session phase -1 student must be able to define structure of cartilage correctly	K	K	Y	lecture	Written			-
AN71,2B	At end of session phase -1 student must be able to describe function of cartilage	K	KH	Y	Lecture	written			
AN 71.2C	At end of session phase -1 student must be able to classify various types of cartilage.	K	KH	Y	Lecture	written			-
AN 71.2D	At end of session phase -1 student must be able to identify cartilage under the microscope	K	SH	Y	practical	viva voce			-
AN 72.1	Identify the skin and its appendages under the microscope and correlate the structure with function.	K/S	SH	Y	Lecture/Practical	written/skill			
AN	At end of session phase -1 student must be able to define structure of skin	K	K	Y	lecture	written		-	-

72.1A	correctly.								
AN 72.1B	At end of session phase -1 student must be able to classify various types of skin.	K	KH	Y	Lecture	written		-	-
AN 72.1C	At end of session phase -1 student must be able to identify various types of skin under microscope.	S	SH	Y	practical	Skill assessment		--	--
72.1D	<i>At end of session phase -1 student must be able to describe structure of skin</i>	K	KH	Y	Lecture	written			
AN 73.1	Describe the structure of chromosomes with classification	K	KH	Y	lecture	written			
AN 73.1A	At end of session phase -1 student must be able to classify various types of chromosomes .	K	KH	Y	lecture	written		-	-
73.1B	At end of session phase -1 student must be able to describe structure of chromosome correctly.	K	KH	Y	lecture	written			
AN 73.2	Describe technique of karyotyping with its applications .	K	KH	Y	lecture	written			
AN73.2A	At end of session phase -1 student must be able define technique of karyotyping correctly	K	K	Y	lecture	written			-
AN73.2B	At end of session phase -1 student must be able define technique of karyotyping with its applications correctly	K	KH	Y	lecture	written			-
AN73.3	Describe the Lyon's hypothesis	K	KH	Y	lecture	written		General medicine	
AN73.3A	At end of session phase -1 student must be able to Describe the Lyon's hypothesis correctly	K	KH	Y	lecture	written			-
AN74.1	Describe the various modes of inheritance with examples .	K	KH	Y	lecture	written		General Medicine/Pediatric	
AN74.1A	At end of session phase -1 student must be able to Describe the various modes of inheritance correctly	K	K	Y	lecture	written			-
AN74.1B	At end of session phase -1 student must be able to Describe the examples of various modes of inheritance correctly	K	KH	Y	lecture	written			-
AN74.2	Draw pedigree charts for the various types of inheritance & give examples of diseases of each mode of inheritance.	K	KH	Y	lecture	Written			
AN74.2A	At end of session phase -1 student must be able to Draw pedigree charts for the various types of inheritance correctly	K	KH	Y	lecture	written			-
AN74.2B	At end of session phase -1 student must be able to describe pedigree charts for the various types of inheritance & give examples of diseases of each mode of inheritance	K	KH	Y	lecture	written			-
AN74.3	Describe multifactorial inheritance with examples	K	KH	Y	lecture	written		General Medicine	
AN74.3A	At end of session phase -1 student should be able to Describe multifactorial inheritance correctly	K	K	N	lecture	written			-

AN74.3B	At end of session phase -1 student should be able to Describe examples of multifactorial inheritance correctly	K	KH	N	lecture	written			-
AN74.4	Describe the genetic basis & clinical features of Achondroplasia, Cystic Fibrosis, Vitamin D resistant rickets, Haemophilia, Duchene's muscular dystrophy & Sickle cell anaemia	K	KH	N	lecture	written		General Medicine/Pediatrics	
AN74.4A	At end of session phase -1 student should be able to Describe the genetic basis & clinical features of Achondroplasia correctly	K	KH	N	lecture	written			
74.4B	At end of session phase -1 student must be able to Describe the genetic basis & clinical features of Cystic fibrosis correctly	K	KH	N	lecture	written			
AN74.4C	At end of session phase -1 student should be able to describe various feature of Vitamin D resistant rickets correctly	K	KH	N	lecture	written			
AN74.4D	At end of session phase -1 student should be able to explain haemophilia correctly	K	KH	N	lecture	written			
AN74.4E	At end of session phase -1 student should be able to explain Duchene's muscular dystrophy correctly	K	KH	N	lecture	written			
AN74.4F	At end of session phase -1 student should be able to describe sickle cell anemia correctly	K	KH	N	lecture	written			
AN75.1	Describe the structural and numerical chromosomal aberrations	K	KH	Y	lecture	written		Paediatrics	
AN75.1A	At end of session phase -1 student should be able to describe numerical aberrations of chromosomes correctly	K	KH	Y	lecture	written			
AN75.1B	At end of session phase -1 student should be able to describe structural aberrations of chromosomes correctly	K	KH	Y	lecture	written			
AN75.2	Explain the terms mosaics and chimeras with example	K	KH	N	lecture	written		Paediatrics	
AN75.2A	At end of session phase -1 student should be able to Explain the terms mosaics correctly	K	K	N	Lecture	written			
AN75.2B	At end of session phase -1 student should be able to Explain the chimeras with example correctly	K	KH	N	Lecture	written			
AN75.3	Describe the genetic basis & clinical features of Prader Willi syndrome, Edward syndrome & Patau syndrome	K	KH	N	lecture	written		Paediatrics	
AN75.3A	At end of session phase -1 student should be able to Define the genetic basis & clinical features of Prader Willi syndrome correctly	K	KH	N	lecture	written			-
AN75.3B	At end of session phase -1 student should be able to sickle cell Define the genetic basis of Edward syndrome correctly	K	KH	N	lecture	written			-

AN75.3C	At end of session phase -1 student must be able to Describe the genetic basis & clinical features of Patau syndrome correctly	K	KH	N	lecture	written			
AN75.4	describe genetic basis of variation: polymorphism and mutation	K	KH	Y	lecture	written		Paediatrics	
AN75.4A	At end of session phase -1 student must be able to Describe genetic basis of variation in polymorphism correctly	K	K	N	lecture	written			-
AN75.4B	At end of session phase -1 student must be able to Describe genetic basis of variation in mutation correctly	K	KH	N	lecture	written			-
AN75.5	Describe the principles of genetic counselling	K	KH	Y	lecture	written		Obsteritrics &Gynaecology	
AN75.5A	At end of session phase -1 student must be able to Describe the principles of genetic counselling correctly	K	KH	Y	lecture	written			-
AN76.1	Describe the stages of human life	K	KH	Y	lecture	written			
AN76.1A	At end of session phase -1 student must be able to Describe the stages of human life correctly	K	KH	Y	lecture	written			-
AN76.2	Explain the terms- phylogeny, ontogeny, trimester, viability .	K	KH	Y	lecture	written			
AN76.2A	At end of session phase -1 student must be able to Explain the terms- phylogeny,.	K	KH	Y	lecture	written			
AN76.2B	At end of session phase -1 student must be able to Explain the terms- , ontogeny, .	K	KH	Y	lecture	written			
AN76.2C	At end of session phase -1 student must be able to Explain the viability .	K	KH	Y	lecture	written			
AN76.2D	At end of session phase -1 student must be able to explain trimester.	K	KH	Y	lecture	written			-
AN77.1	Describe the uterine changes occurring during the menstrual cycle .	K	KH	Y	lecture	written		Obsteritrics &Gynaecology	
AN77.1A	At end of session phase -1 student must be able to describe the menstrual cycle.	K	K	Y	lecture	written			-
AN77.1B	At end of session phase -1 student must be able to describe the uterine changes occurring during the menstrual cycle.	K	KH	Y	lecture	written			
AN77.2	Describe the synchrony between the ovarian and menstrual cycles	K	KH	Y	lecture	written		Obsteritrics &Gynaecology	
AN77.2A	At end of session phase -1 student must be able to describe synchrony between ovarian and menstrual cycle.	K	KH	Y	lecture	written			-
AN77.3	Describe spermatogenesis and oogenesis along with diagrams	K	KH	Y	lecture	written		Obsteritrics &Gynaecology	
AN77.3A	At end of session phase -1 student must be able to describe	K	KH	Y	lecture	written			-

	spermatogenesis along with diagrams correctly								
AN77.3B	At end of session phase -1 student must be able to describe Oogenesis along with diagrams correctly	K	KH	Y	lecture	written			
AN77.4	Describe the stages and consequences of fertilisation	K	KH	Y	lecture	written		Obsteritrics &Gynaecology	
AN77.4	At end of session phase -1 student must be able to describe the stages of fertilisation correctly	K	K	Y	lecture	written			-
AN77.4	At end of session phase -1 student must be able to describe the consequences of fertilisation correctly	K	KH	Y	lecture	written			
AN77.5	Enumerate and describe the anatomical principles underlying contraception	K	KH	Y	lecture	written		Obsteritrics &Gynaecology	
AN77.5	At end of session phase -1 student must be able to Enumerate the anatomical principles of contraception correctly	K	K	Y	lecture	written			
AN77.5	At end of session phase -1 student must be able to describe the anatomical principles of contraception correctly	K	KH	Y	lecture	written			
AN77.6	Describe teratogenic influences; fertility and sterility, surrogate motherhood, social significance of "sex-ratio".	K	KH	N	lecture	written		Obsteritrics&Gynaecology	
AN77.6A	At end of session phase -1 student should be able to Define teratogenic correctly	K	K	N	lecture	written			
AN77.6B	At end of session phase -1 student should be able to Define fertility and sterilitycorrectly	K	K	N	lecture	written			
AN77.6C	At end of session phase -1 student should be able to Define surrogate motherhood correctly	K	KH	N	lecture	written			
AN77.6D	At end of session phase -1 student should be able to describe the social significance of sex-ratio correctly	K	KH	N	lecture	written			
AN78.1	Describe cleavage and formation of blastocyst	K	KH	Y	lecture	written		Obsteritrics&Gynaecology	
AN78.1A	At end of session phase -1 student must be able to Define cleavage correctly	K	K	Y	lecture	written			
AN78.1B	At end of session phase -1 student must be able to Describe formation of blastocyst correctly	K	KH	Y	lecture	written			

AN78.2	Describe the development of trophoblast	K	KH	Y	lecture	written		Obsteritrics&Gynaecolog y
AN78.2A	At end of session phase -1 student must be able to Describe the development of trophoblast correctly	K	KH	Y	lecture	written		
AN78.3	Describe the process of implantation & common abnormal sites of implantation	K	KH	Y	lecture	written		Obsteritrics&Gynaecolog y
AN78.3A	At end of session phase -1 student must be able to Define the process of implantation correctly	K	K	Y	lecture	written		
AN78.3B	At end of session phase -1 student must be able to Describe the common abnormal sites of implantation correctly	K	KH	Y	lecture	written		
AN78.4	Describe the formation of extra-embryonic mesoderm and coelom, bilaminar disc and prochordal plate	K	KH	Y	lecture	written		Obsteritrics&Gynaecolog y
AN78.4A	At end of session phase -1 student must be able to define extra embryonic mesoderm and coelom correctly	K	KH	Y	lecture	written		
AN78.4B	At end of session phase -1 student must be able to Describe extraembryonic mesoderm correctly	K	KH	Y	lecture	written		
AN78.4C	At end of session phase -1 student must be able to Describe the bilaminar disc and procardal plate correctly.	K	KH	Y	lecture	written		
AN78.5	Describe in brief abortion; decidual reaction, pregnancy test	K	KH	Y	lecture	written		Obsteritrics&Gynaecolog
AN78.5A	At end of session phase -1 student must be able to Define in brief about abortion correctly.	K	K	Y	lecture	written		
AN78.5B	At end of session phase -1 student must be able to Describe in brief about pregnancy test correctly	K	KH	Y	lecture	written		
AN78.5C	At end of session phase -1 student must be able to Describe the decidual reaction correctly	K	KH	Y	lecture	written		
AN79.1	Describe the formation & fate of the primitive streak .	K	KH	Y	lecture	written		Obsteritrics&Gynaecolog y
AN79.1A	At end of session phase -1 student must be able to Define the formatiion of the primitive streak	K	K	Y	lecture	written		
AN79.1B	At end of session phase -1 student must be able to Describe the fate of the primitive streak	K	KH	Y	lecture	written		
AN79.2	Describe formation & fate of notochord	K	KH	Y	lecture	written		Obsteritrics&Gynaecolog y

AN79.2A	At end of session phase -1 student must be able to Define formation of notochord .	K	K	Y	lecture	written		
AN79.2B	At end of session phase -1 student must be able to Define fate of notochord .	K	KH	Y	lecture	written		
AN79.3	Describe the process of neurulation	K	KH	Y	lecture	written		Obsteritrics&Gynaecology
AN79.3A	At end of session phase -1 student must be able to Define the process of neurulation .	K	KH	Y	lecture	written		
AN79.4	Describe the development of somites and intra-embryonic coelom	K	KH	Y	lecture	written		Obsteritrics&Gynaecology
AN79.4A	At end of session phase -1 student should be able to describe the development of somites correctly	K	K	Y	lecture	written		
AN79.4B	At end of session phase -1 student should be able to describe the development of intra-embryonic coelom correctly	K	KH	Y	lecture	written		
AN79.5	Explain embryological basis of congenital malformations, nucleus pulposus, sacrococcygeal teratomas, neural tube defects	K	KH	N	lecture	written		Obsteritrics&Gynaecology
AN79.5A	At end of session phase -1 student should be able to explain embryological basis of congenital malformations correctly	K	K	N	lecture	written		
AN79.5B	At end of session phase -1 student should be able to explain embryological basis of nucleus Pulpous correctly	K	KH	N	lecture	written		
AN79.5C	At end of session phase -1 student should be able to explain embryological basis of sacrococcygeal teratomas correctly	K	KH	N	lecture	written		
AN79.5D	At end of session phase -1 student must be able to explain embryological basis of neural tube defects correctly	K	KH	N	lecture	written		
AN79.6	Describe the diagnosis of pregnancy in first trimester and role of teratogens,alpha fetoprotein correctly.	K	KH	N	lecture	written		Obsteritrics &Gynaecology
AN79.6A	At end of session phase -1 student should be able to Define the diagnosis of pregnancy in first trimester correctly.	K	K	N	lecture	written		-
AN79.6B	At end of session phase -1 student should be able to Describe the role of teratogens correctly.	K	KH	N	lecture	written		
AN79.6C	At end of session phase -1 student should be able to Describe the role of alpha fetoprotein correctly.	K	KH	N	lecture	written		
AN80.1	Describe formation, functions & fate of-chorion: amnion; yolk sac; allantois & decidua	K	KH	Y	lecture	written		Obsteritrics &Gynaecology
AN80.1A	At end of session phase -1 student must be able Define formation, functions of-chorion: amnion; yolk sac; allantois	K	K	Y	lecture	written		

	& deciduas correctly								
AN80.1B	At end of session phase -1 student should be able Describe functions & fate of-chorion: amnion; yolk sac ,allantois correctly	K	KH	Y	lecture	written			-
AN80.2	Describe formation & structure of umbilical cord	K	KH	Y	lecture	written		Obsteritrics &Gynaecology	
AN80.2 A	At end of session phase -1 student should be able define formation of umbilical cord correctly	K	K	Y	lecture	written			
AN80.2 B	At end of session phase -1 student should be able to Describe structure of umbilical cord correctly	K	KH	Y	lecture	written			
AN80.3	Describe formation of placenta, its physiological functions, foetomaternal circulation & placental barrier	K	KH	Y	lecture	written	1	Obsteritrics &Gynaecology	
AN80.3 A	At end of session phase -1 student should be able Define formation of placent correctly	K	K	Y	lecture	written			
AN80.3 B	At end of session phase -1 student should be able to describe formation of placenta correctly	K	K	Y	lecture	written			
AN80.3 C	At end of session phase -1 student should be able describe placenta, its physiological functions correctly	K	KH	Y	lecture	written			
AN80.3 D	At end of session phase -1 student should be able to explain foetomaternal circulation & placental barrier correctly	K	KH	N	lecture	written			-
AN80.4	Describe embryological basis of twinning in monozygotic & dizygotic twins	K	KH	Y	lecture	written		Obsteritrics &Gynaecology	
AN80.4 A	At end of session phase -1 student must be able to define embryological basis of twinning in monozygotic twins correctly	K	KH	Y	lecture	written			
AN80.4 B	At end of session phase -1 student must be able to describe dizygotic twins correctly	K	KH	Y	lecture	written			-
AN80.5	Describe role of placental hormones in uterine growth & parturition	K	KH	Y	lecture	written		Obsteritrics &Gynaecology	
AN80.5 A	At end of session phase -1 student must be able to define role of placental hormones in uterine growth correctly	K	KH	Y	lecture	written			-
AN80.5 B	At end of session phase -1 student must be able to describe role of placental hormones in uterine growth & parturition correctly	K	KH	Y	lecture	written			
AN80.6	Explain embryological basis of estimation of fetal age.	K	KH	N	lecture	written		Obsteritrics &Gynaecology	
AN80.6A	At end of session phase -1 student must be able to explain embryological basis of estimation of fetal age correctly	K	KH	N	lecture	written			-

AN80.7	Describe various types of umbilical cord attachments	K	KH	N	lecture	written		Obsteritrics &Gynaecology	
AN80.7A	At end of session phase -1 student must be able to describe various types of umbilical cord attachments correctly	K	KH	N	lecture	written			-
AN81.1	Describe various methods of prenatal diagnosis	K	KH	Y	lecture	written		Obsteritrics &Gynaecology	
AN81.1A	At end of session phase -1 student must be able to describe various methods of prenatal diagnosis correctly	K	KH	Y	lecture	written			-
AN81.2	Describe indications, process and disadvantages of amniocentesis	K	KH	Y	lecture	written		Obsteritrics &Gynaecology	
AN81.2	At end of session phase -1 student must be able to describe indications of amniocentesis and process correctly	K	KH	Y	lecture	written			
AN81.2A	At end of session phase -1 student must be able to describe the disadvantages of amniocentesis correctly	K	KH	Y	lecture	written			-
AN81.3	Describe indications, process and disadvantages of chorion villus	k	KH		lecture	written		Obsteritrics &Gynaecology	
AN81.3A	At end of session phase -1 student must be able to describe indications, process of chorion villus biopsy.	K	KH	N	lecture	written		Obsteritrics &Gynaecology	
AN81.3B	At end of session phase -1 student must be able to describe disadvantages of chorion villus biopsy.	K	KH	N	lecture	written		Obsteritrics &Gynaecology	
AN82.1	Demonstrate respect and follow the correct procedure when handling cadavers and other biologic tissue	S	SH	Y	Group activity	NILL		AETCOM	
AN82.1A	At end of session phase -1 student must be able to respect the the cadavers and other biologic tissue during the dissection	S	SH	Y	Group activity	Null		AETCOM	
AN82.1B	At end of session phase -1 student must be able to demonstrate correct procedure when handling cadavers and other biologic tissue	S	SH	Y	Group activity	Null		AETCOM	