

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core (Y/N)	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
GENERAL SURGERY									
Topic: Metabolic response to injury		Number of competencies: (03)			Number of procedures that require certification: (NIL)				
SU1.1	Describe Basic concepts of homeostasis, enumerate the metabolic changes in injury and their mediators.	K	KH	Y	Lecture, Bed side clinic, Small group discussion	Written/ Viva voce		Physiology, Biochemistry	
SU1.1.1	At the end of session, phase III part-2 students must be able to define homeostasis precisely								
SU1.1.2	At the end of session, phase III part-2 students must be able to enumerate metabolic changes in injury accurately								
SU1.1.3	At the end of session, phase III part-2 students must be able to discuss various mediators of metabolic response to injury								
SU1.2	Describe the factors that affect the metabolic response to injury.	K	KH	Y	Lecture, Bed side clinic, Small group discussion	Written/ Viva voce		Biochemistry	
SU1.2.1	At the end of session, phase III part-2 students must be able to enumerate the factors that affect the metabolic response to injury precisely								
SU1.2.2	At the end of session, phase III part-2 students must be able to discuss the factors that affect the metabolic response to injury accurately								
SU1.3	Describe basic concepts of perioperative care.	K	KH	Y	Lecture, Bed side clinic, Small group discussion	Written/ Viva voce			
SU1.3.1	At the end of session, phase III part-2 students must be able to enumerate the elements of preoperative care accurately								
SU1.3.2	At the end of session, phase III part-2 students must be able to discuss the basic concepts of perioperative care precisely								
Topic: Shock		Number of competencies: (03)			Number of procedures that require certification: (NIL)				
SU2.1	Describe Pathophysiology of shock, types of shock & principles of resuscitation including fluid replacement and monitoring.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Pathology, Physiology	
SU2.1.1	At the end of session, phase III part-2 students must be able to define shock accurately								
SU2.1.2	At the end of session, phase III part-2 students must be able to describe pathophysiology of shock precisely								
SU2.1.3	At the end of session, phase III part-2 students must be able to discuss types of shock accurately								

SU3.2.2	At the end of session, phase III part-2 students must be able to observe blood transfusion correctly								
SU3.3	Counsel patients and family/ friends for blood transfusion and blood donation.	A/C	SH	Y	DOAP session	Skills assessment			
SU3.3.1	At the end of session, phase III part-2 students must be able to discuss principles of blood donation precisely								
SU3.3.2	At the end of session, phase III part-2 students must be able to counsel patients/relatives regarding blood transfusion correctly								
SU3.3.3	At the end of session, phase III part-2 students must be able to counsel relatives regarding blood donation correctly								
Topic: Burns		Number of competencies: (04)			Number of procedures that require certification: (NIL)				
SU4.1	Elicit document and present history in a case of Burns and perform physical examination. Describe Pathophysiology of Burns.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Physiology	
SU4.1.1	At the end of session, phase 3 part-2 schedule must be able to define burn.								
SU4.1.2	At the end of session, phase 3 part-2 schedule must be able to enumerate the classification of burn wound.								
SU4.1.3	At the end of session, phase 3 part-2 schedule must be able to describe the assessment of burn wound accurately.								
SU4.1.4	At the end of session, phase 3 part-2 schedule must be able to describe pathophysiology of burn wound.								
SU4.1.5	At the end of session, phase 3 part-2 schedule must be able to describe the documentation required for burn wound as per guidelines.								
SU4.1.6	At the end of session, phase 3 part-2 schedule must be able to discuss how to take history in the patient of burn wound as per guidelines.								
SU4.1.7	At the end of session, phase 3 part-2 schedule must be able to discuss how to do physical examination in the burn patient.								
SU4.2	Describe Clinical features, Diagnose type and extent of burns and plan appropriate treatment.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
SU4.2.1	At the end of session, phase 3 part-2 schedule must be able to describe the clinical feature of burn.								
SU4.2.2	At the end of session, phase 3 part-2 schedule must be able to describe how to differentiate the different type of burn correctly								

SU4.2.3	At the end of session, phase 3 part-2 schedule must be able to describe the extent of burn as per guideline.								
SU4.2.4	At the end of session, phase 3 part-2 schedule must be able to describe how to diagnose the different type of burn.								
SU4.2.5	At the end of session, phase 3 part-2 schedule must be able to differentiate the management of burn in a different stage accurately								
SU4.2.6	At the end of session, phase 3 part-2 schedule must be able to discuss the management of burn in a different stage.								
SU4.3	Discuss the Medicolegal aspects in burn injuries.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
SU4.3.1	At the end of session, phase 3 part-2 schedule must be able to describe how to differentiate the cause of death with the help of burn wound.								
SU4.3.2	At the end of session, phase 3 part-2 schedule must be able to define grievous injury.								
SU4.3.3	At the end of session, phase 3 part-2 schedule must be able to describe how to register the burn wound in a appropriate way.								
SU4.3.4	At the end of session, phase 3 part-2 schedule must be able to differentiate antimortem and postmortem wound.								
SU4.3.5	At the end of session, phase 3 part-2 schedule must be able to discuss the medicolegal aspect of wound.								
SU4.4	Communicate and counsel patients and families on the outcome and rehabilitation demonstrating empathy and care.	A /C	SH	Y	Small group discussion, Role play, Skills assessment	Viva voce			
SU4.4.1	At the end of session, phase 3 part-2 schedule must be able to describe the outcome of burn wound								
SU4.4.2	At the end of session, phase 3 part-2 schedule must be able to define the complication of burn wound.								

SU5.1.4	At the end of session, phase 3part-2 schedule must be able to discuss various factors affecting wound healing.								
SU5.2	Elicit, document and present a history in a patient presenting with wounds.	C	SH	Y	Lecture, Small group discussion	Written/ Viva voce			
SU5.2.1	At the end of session, phase 3part-2 schedule must be able to define wound correctly.								
SU5.2.2	At the end of session, phase 3 part-2 schedule must be able to enumerate the classification of wound correctly.								
SU5.2.3	At the end of session, phase 3part-2 schedule must be able to describe the documentation require for wound as per guideline								
SU5.2.4	At the end of session, phase 3 part-2 schedule must be able to discuss how to take history in the patient with wound								
SU5.2.5	At the end of session, phase 3 part-2 schedule must be able to discuss physical examination of wound.								
SU5.2.6	At the end of session, phase 3part-2 schedule must be able to Demonstrate how to take history in patient with wound.								
SU5.2.7	At the end of session, phase 3part-2 schedule must be able to demonstrate how to do documentation in a patient with different type of wound accurately.								
SU5.3	Differentiate the various types of wounds, plan and observe management of wounds.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
SU5.3.1	At the end of session, phase 3 part-2 schedule must be able to describe the various type of wound								

SU5.3.2	At the end of session, phase 3 part-2 schedule must be able to differentiate the etiopathogenesis of wound.							
SU5.3.3	At the end of session, phase 3part-2 schedule must be able to discuss the management in the various type of wound.							
SU5.3.4	At the end of session, phase 3part-2 schedule must be able to describe the complication of wound accurately.							
SU5.3.5	At the end of session, phase 3 part-2 schedule must be able to discuss the prognosis of wound correctly.							
SU5.4	Discuss medico legal aspects of wounds	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		
SU5.4.1	At the end of session, phase 3 part-2 schedule must be able to differentiate the cause of death with the help of wound.							
SU5.4.2	At the end of session, phase 3part-2 schedule must be able to define greivous injury.							
SU5.4.3	At the end of session, phase 3 part-2 schedule must be able to Describe how to register the wound in the appropriate way.							
SU5.4.4	At the end of session, phase 3part-2 schedule must be able to differentiate antimortem and postmortem wound.							
SU5.4.5	At the end of session, phase 3part-2 schedule must be able to discuss the medicolegal aspect in wound.							
Topic: Surgical infections		Number of competencies: (02)			Number of procedures that require certification: (NIL)			
SU6.1	Define and describe the aetiology and pathogenesis of surgical Infections	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Microbiology
SU6.1.1	MBBS student must be able to enumerate the aetiology of Surgical infection							
SU6.1.2	MBBS student must be able to describe pathogenesis of Surgical infection							
SU6.2	Enumerate Prophylactic and therapeutic antibiotics Plan appropriate management.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		

SU8.3	Discuss Medico-legal issues in surgical practice.	A/C	KH	Y	Lecture, Small group discussion	Written/ Viva voce/ Skill assessment		Forensic Medicine, AETCOM
SU8.3.1	MBBS student must have understanding of Medico-legal issues come across in day to day life during Medical Practice.							
SU8.3.2	MBBS student must be able to describe what the Medico-legal issues are come across in day to day life during Medical Practice.							
Topic: Investigation of surgical patient		Number of competencies (03)			Number of procedures that require certification: (NIL)			
SU9.1	Choose appropriate biochemical, microbiological, pathological, imaging investigations and interpret the investigative data in a surgical patient.	C	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Biochemistry, Microbiology, Pathology
SU9.1.1	At the end of session, phase 3 part -2 schedule must be able to discuss various biochemical investigations in surgical patients correctly.							
SU9.1.2	At the end of session, phase 3 part -2 schedule must be able to discuss various microbiological investigations in surgical patients accurately.							
SU9.1.3	At the end of session, phase 3 part -2 schedule must be able to discuss various pathological investigations in surgical patients accurately.							
SU9.1.4	At the end of session, phase 3 part -2 schedule must be able to discuss various imaging investigations in surgical patients accurately.							
SU9.1.5	At the end of session, phase 3 part -2 schedule must be able to interpret various biochemical investigations in surgical patients accurately.							
SU9.1.6	At the end of session, phase 3 part -2 schedule must be able to interpret various microbiological investigations in surgical patients accurately.							
SU9.1.7	At the end of session, phase 3 part -2 schedule must be able to interpret various Pathological investigations in surgical patients accurately							
SU9.1.8	At the end of session, phase 3 part -2 schedule must be able to interpret various Imaging investigations in surgical patients accurately							

SU9.1.9	At the end of session, phase 3 part -2 schedule must be able to counsel the patient/ relatives about Biochemical investigations in surgical patients correctly							
SU9.1.10	At the end of session, phase 3 part -2 schedule must be able to counsel the patient/ relatives about Microbiological investigations in surgical patients correctly							
SU9.1.11	At the end of session, phase 3 part -2 schedule must be able to counsel the patient/ relatives about Pathological investigations in surgical patients correctly							
SU9.1.12	At the end of session, phase 3 part -2 schedule must be able to counsel the patient/ relatives about Imaging investigations in surgical patients correctly							
SU9.2	Biological basis for early detection of cancer and multidisciplinary approach in management of cancer.	C	KH	Y	Lecture, Small group discussion	Written/ Viva voce		
SU9.2.1	At the end of session, phase 3 part -2 schedule must be able to discuss biological basis of early detection of cancer accurately.							
SU9.2.2	At the end of session, phase 3 part -2 schedule must be able to discuss multidisciplinary approaches in management of cancer accurately.							
SU9.2.3	At the end of session, phase 3 part -2 schedule must be able to document biological basis of early detection of cancer correctly.							
SU9.2.4	At the end of session, phase 3 part -2 schedule must be able to document multidisciplinary approach in management of cancer accurately							
SU9.2.5	At the end of session, phase 3 part -2 schedule must be able to demonstrate the understanding of biological basis of early detection of cancer accurately							
SU9.2.6	At the end of session, phase 3 part -2 schedule must be able to demonstrate the understanding of multidisciplinary approach in management of cancer correctly.							
SU9.3	Communicate the results of surgical investigations and counsel the patient appropriately	C	SH	Y	DOAP session	Skill assessment		
SU9.3.1	At the end of session, phase 3 part -2 schedule must be able to counsel the patient/ relatives about the results of surgical investigations correctly.							

Topic: Pre, intra and post- operative management.

Number of competencies: (04)

Number of procedures that require certification: (NIL)

SU10.1	Describe the principles of perioperative management of common surgical procedures.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
SU10.1.1	At the end of session, phase 3 part -2 schedule must be able to enumerate the principles of peri operative management of common surgical procedures precisely.								
SU10.1.2	At the end of session, phase 3 part -2 schedule must be able to discuss the principles of peri operative management of common surgical procedures precisely.								
SU10.1.3	At the end of session, phase 3 part -2 schedule must be able to discuss the steps of surgery correctly.								
SU10.1.4	At the end of session, phase 3 part -2 schedule must be able to discuss informed consent in surgery correctly.								
SU10.1.5	At the end of session, phase 3 part -2 schedule must be able to record informed consent in surgery accurately								
SU10.1.6	At the end of session, phase 3 part -2 schedule must be able to communicate informed consent in surgery precisely.								
SU10.2	Describe the steps and obtain informed consent in a simulated environment	S/A/C	SH	Y	DOAP session	Skill assessment/		AETCOM	
SU10.2.1	At the end of session, phase 3 part -2 schedule must be able to discuss steps and obtain correctly								
SU10.2.2	At the end of session, phase 3 part -2 schedule must be able to discuss simulated environment correctly								
SU10.3	Observe common surgical procedures and assist in minor surgical procedures; Observe emergency lifesaving surgical procedures.	S	KH	Y	DOAP sessions	Log book			
SU10.3.1	At the end of session, phase 3 part -2 schedule must be able to discuss common surgical procedures correctly								
SU10.3.2	At the end of session, phase 3 part -2 schedule must be able to identify common surgical procedures accurately.								

SU10.3.3	At the end of session, phase 3 part -2 schedule must be able to discuss major surgical procedures accurately.							
SU10.3.4	At the end of session, phase 3 part -2 schedule must be able to assist minor surgical procedures correctly.							
SU10.3.5	At the end of session, phase 3 part -2 schedule must be able to discuss emergency life saving surgical procedures accurately.							
SU10.3.6	At the end of session, phase 3 part -2 schedule must be able to identify emergency life saving procedures correctly.							
SU10.4	Perform basic surgical Skills such as First aid including suturing and minor surgical procedures in simulated environment.	S	P	Y	DOAP session	Skill assessment		
SU10.4.1	At the end of session, phase 3 part -2 schedule must be able to discuss first aid in surgical patient correctly.							
SU10.4.2	At the end of session, phase 3 part -2 schedule must be able to discuss suturing in surgical patients correctly.							
SU10.4.3	At the end of session, phase 3 part -2 schedule must be able to perform under supervision first aid in surgical patient correctly.							
SU10.4.4	At the end of session, phase 3 part -2 schedule must be able to perform under supervision suturing in surgical patients precisely.							
SU10.4.5	At the end of session, phase 3 part -2 schedule must be able to perform under supervision minor surgical procedures in surgical patients accurately							
Topic: Anaesthesia and pain management		Number of competencies: (06)			Number of procedures that require certification: (NIL)			
SU11.1	Describe principles of Preoperative assessment.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Anaesthesiology
SU11.1.1	At the end of session phase III part 2 students must be able to enumerate systems (cardiac, pulmonary etc.) to be evaluated correctly in general surgical							

SU11.1.2	At the end of session phase III part 2 students must be able to define the indexes clearly which signify dysfunction of various system in surgical patients.							
SU11.1.3	At the end of session phase III part 2 students must be able to classify clearly normal risk, moderate risk and high risk patients.							
SU11.2	Enumerate the principles of general, regional, and local Anaesthesia.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Anaesthesiology
SU11.2.1	At the end of session phase III part 2 students must be able to describe clearly what is General Anaesthesia.							
SU11.2.2	At the end of session phase III part 2 students must be able to classify clearly drugs being used in General Anaesthesia.							
SU11.2.3	At the end of session phase III part 2 students must be able to choose route of administration of general anaesthetic drugs clearly.							
SU11.2.4	At the end of session phase III part 2 students must be able to define Regional Anaesthesia clearly.							
SU11.2.5	At the end of session phase III part 2 students must be able to describe various methods of administering Regional Anaesthesia clearly.							
SU11.2.6	At the end of session phase III part 2 must be able to define Local Anaesthesia as well as drugs used for local Anaesthesia clearly.							
SU11.3	Demonstrate maintenance of an airway in a mannequin or equivalent.	S	SH	Y	DOAP session	Skill assessment		Anaesthesiology
SU11.3.1	At the end of session phase III part 2 students must be able to discuss correctly principles of airway maintenance.							
SU11.3.2	At the end of session phase III part 2 students must be able to choose correctly which patient may have airway obstruction.							
SU11.3.3	At the end of session phase III part 2 students must be able to identify correctly the signs of airway obstruction.							
SU11.3.4	At the end of session phase III part 2 students must be able to list correctly various airway equipments.							
SU11.3.5	At the end of session phase III part 2 students must be able to demonstrate correctly the maintenance of airway in a mannequin or equivalent.							
SU11.4	Enumerate the indications and principles of day care General Surgery	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		

SU11.4.1	At the end of session phase III part 2 students must be able to discuss correctly the principles of day care general surgery.								
SU11.4.2	At the end of session phase III part 2 students must be able to enumerate correctly the indications day care general surgery.								
SU11.4.3	At the end of session phase III part 2 students must be able to enumerate clearly complications of day care surgery.								
SU11.5	Describe principles of providing post-operative pain relief and management of chronic pain.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			Anaesthesiology
SU11.5.1	At the end of session phase III part 2 students must be able to discuss clearly the need of post operative pain relief.								
SU11.5.2	At the end of session phase III part 2 students must be able to enumerate clearly various drugs used for somatic and visceral pain.								
SU11.5.3	At the end of session phase III part 2 students must be able to discuss clearly principles of management of chronic pain.								
SU11.5.4	At the end of session phase III part 2 students must be able to enumerate correctly various drugs used for chronic pain.								
SU11.6	Describe Principles of safe General Surgery	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
SU11.6.1	At the end of session phase III part 2 students must be able to discuss clearly pre operative assessment of general surgery patients.								
SU11.6.2	At the end of session phase III part 2 students must be able to discuss correctly optimisation of the various physiological systems of patients for safe surgery.								
SU11.6.3	At the end of session phase III part 2 students must be able to discuss correctly the needs for transfusion of blood and its components for safe surgery.								
SU11.6.4	At the end of session phase III part 2 students must be able to discuss correctly the need for DVT prophylaxis before surgery.								
SU11.6.5	At the end of session phase III part 2 students must be able to discuss clearly proper post operative care.								
Topic: Nutrition and fluid therapy		Number of competencies: (03)			Number of procedures that require certification: (NIL)				
SU12.1	Enumerate the causes and consequences of malnutrition in the surgical patient	K	KH	Y	Lecture, Small group discussion, Bedside clinic	Written/ Viva voce		Physiology	

SU12.1.1	At the end of session phase III part 2 students must be able to enumerate correctly the causes of chronic malnutrition in surgical patients.							
SU12.1.2	At the end of session phase III part 2 students must be able to enumerate correctly the causes of acute malnutrition in surgical patients							
SU12.1.3	At the end of session phase III part 2 students must be able to discuss correctly the signs of acute as well as chronic malnutrition in surgical patients.							
SU12.1.4	At the end of session phase III part 2 students must be able to describe correctly the effects of acute as well as chronic malnutrition on various systems in surgical patients.							
SU12.2	Describe and discuss the methods of estimation and replacement of the fluid and electrolyte requirements in the surgical patient.	K	KH	Y	Lecture, Small group discussion, Bedside clinic	Written/ Viva voce		Physiology
SU12.2.1	At the end of session phase III part 2 students must be able to discuss correctly the methods of estimation of fluid requirements in surgical patients.							
SU12.2.2	At the end of session phase III part 2 students must be able to describe clearly the principles of fluid replacement in surgical patients.							
SU12.2.3	At the end of session phase III part 2 students must be able to discuss clearly the methods of estimation of electrolytes requirements in surgical patients.							
SU12.2.4	At the end of session phase III part 2 students must be able to describe correctly the principles of electrolytes replacement in surgical patients.							
SU12.3	Discuss the nutritional requirements of surgical patients, the methods of providing nutritional support and their complications	K	KH	Y	Lecture, Small group discussion, Bedside clinic	Written/ Viva voce		Biochemistry
SU12.3.1	At the end of session phase III part 2 students must be able to discuss clearly the nutritional requirements of surgical patients.							
SU12.3.2	At the end of session phase III part 2 students must be able to define correctly which patient needs nutritional support in surgical patients.							
SU12.3.3	At the end of session phase III part 2 students must be able to choose the correct ways of nutritional support in surgical patients.							
SU12.3.4	At the end of session phase III part 2 students must be able to enumerate correctly the complications of nutritional support in surgical patients.							

Topic: Basic Surgical Skills		Number of competencies: (04)			Number of procedures that require certification: (NIL)				
SU14.1	Describe Aseptic techniques, sterilization and disinfection.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Microbiology	
SU14.1.1	At the end of session, phase 3 part -2 schedule must be able to define various aseptic techniques								
SU14.1.2	At the end of session, phase 3 part -2 schedule must be able to Define sterilization.								
SU14.1.3	At the end of session, phase 3 part -2 schedule must be able to Define disinfection.								
SU14.1.4	At the end of session, phase 3 part -2 schedule must be able to Differentiate between sterilization and disinfection.								
SU14.1.5	At the end of session, phase 3 part -2 schedule must be able to enumerate steps of sterilization.								
SU14.1.6	At the end of session, phase 3 part -2 schedule must be able to Enumerate aseptic techniques.								
SU14.1.7	At the end of session, phase 3 part -2 schedule must be able to Discuss the methods of sterilizing different objects								
SU14.2	Describe Surgical approaches, incisions and the use of appropriate instruments in Surgery in general.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
SU14.2.1	At the end of session, phase 3 part -2 schedule must be able to Enumerate various incision in general surgery?								
SU14.2.2	At the end of session, phase 3 part -2 schedule must be able to Discuss complications of various incisions?								
SU14.2.3	At the end of session, phase 3 part -2 schedule must be able to List various instruments used in general surgery?								
SU14.2.4	At the end of session, phase 3 part -2 schedule must be able to Discuss indications of various types of incisions?								

SU14.2.5	At the end of session, phase 3 part -2 schedule must be able to Describe the surgical approaches?							
SU14.3	Describe the materials and methods used for surgical wound closure and anastomosis (sutures, knots and needles)	K		KH Y	Lecture, Small group discussion	Written/ Viva voce		
SU14.3.1	At the end of session, phase 3 part -2 schedule must be able to Describe the material and method used for wound closure?							
SU14.3.2	At the end of session, phase 3 part -2 schedule must be able to Discuss the method used for surgical anastomosis?							
SU14.3.3	At the end of session, phase 3 part -2 schedule must be able to Enumerate the different types of methods used for wound closure?							
SU14.3.4	At the end of session, phase 3 part -2 schedule must be able to List different method used in anastomosis?							
SU14.3.5	At the end of session, phase 3 part -2 schedule must be able to Enumerate different types of suture, knots and needles?							
SU14.3.6	At the end of session, phase 3 part -2 schedule must be able to Discuss advantages of various materials used in surgical wound closure?							
SU14.4	Demonstrate the techniques of asepsis and suturing in a simulated environment.	S		SH Y	DOAP session	Skill assessment/ Log book		
SU14.4.1	At the end of session, phase 3 part -2 schedule must be able to Enumerate different techniques of asepsis?							
SU14.4.2	At the end of session, phase 3 part -2 schedule must be able to Define asepsis?							
SU14.4.3	At the end of session, phase 3 part -2 schedule must be able to List various suture techniques?							
SU14.4.4	At the end of session, phase 3 part -2 schedule must be able to Perform under supervision techniques of suturing?							
SU14.4.5	At the end of session, phase 3 part -2 schedule must be able to Describe the aims of suturing?							

SU17.2	Demonstrate the steps in Basic Life Support. Transport of injured patient in a simulated environment	S		SH	Y	DOAP session	Skill assessment			Anaesthesiology
SU17.2.1	At the end of session phase 3Part II student must be able to enumerate the steps involved in Basic life Support correctly									
SU17.2.2	At the end of session phase 3 student part II must be able to discuss How will he transport an injured patient in a simulated environment correctly.									
SU17.2.3	At the end of session phase 3 part II student must be able to demonstrate the steps involved in the transport of an injured patient correctly									
SU17.3	Describe the Principles in management of mass casualties.		K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
SU17.3.1	At the end of session phase 3part II student must be able to list the principles in the management of mass casualties with precision .									
SU17.3.2	At the end of session phase 3 part II student must be able to Classify the principlesof management of mass casualties appropriately.									
SU 17.3.3	At the end of session phase 3 part II student must be able to elicit How he will manage the mass casualties as a primary responder correctly responder.									
SU17.4	Describe Pathophysiology, mechanism of head injuries.		K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
SU17.4.1	At the end of session phase 3 part 2 student must be able to Enumerate the causes of head injury and mechanisms involved appropriately.									
SU17.4.2	At the end of session phase 3 part 2 student must be able to discuss the steps involved in pathophysiology of head injury in detail									
SU17.5	Describe clinical features for neurological assessment and GCS in head injuries.		K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
S U17.5.1	At the end of session phase 3 part 2 student must be able to discuss in detail the clinical features in a case of head injury.									
SU17.5.2	At the end of session phase 3 part 2student must be able to define GCS correctly.									
S U17.5.3	At the end of session phase 3 part 2 student must be able to Classify GCS on the basis of different modalities tested and its application in a caseof head injury based on its scoring accurately.									
SU17.6	Chose appropriate investigations and discuss the principles of management of head injuries.		K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			

SU17.6.1	At the end of session phase 3 part 2 student must be able to Enumerate the investigations that are required in a patient of closed head injury correctly.								
SU17.6.2	At the end of session phase 3 part 2 student must be able to describe in detail the management of a patient with head injury accurately .								
SU17.7	Describe the clinical features of soft tissue injuries. Chose appropriate investigations and discuss the principles of management.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
SU17.7.1	At the end of session phase 3 part 2 student must be able To discuss the clinical features in case of a patient with trauma to soft tissues of body appropriately.								
SU17.7.2	At the end of session phase 3 part 2 student must be able to Enumerate the investigations that he will do to know the extent of soft tissue injuries correctly.								
SU17.7.3	At the end of session phase 3 part 2 student must be able to Describe in detail the management of soft tissue injuries in a trauma patient precisely.								
SU17.8	Describe the pathophysiology of chest injuries.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
SU17.8.1	At the end of session phase 3 part 2 student must be able List the types of chest injuries appropriately.								
SU17.8.2	At the end of session phase 3 part 2 student must be able to discuss the pathophysiology of chest injuries correctly.								
SU17.9	Describe the clinical features and principles of management of chest injuries.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
SU17.9.1	At the end of session phase 3 part 2 student must be able to enumerate the clinical features in a case of chest trauma appropriately.								
SU17.9.2	At the end of session phase 3 part 2 student must be able to discuss the management of chest trauma in detail.								
SU17.10	Demonstrate Airway maintenance. Recognize and manage tension pneumothorax, hemothorax and flail chest in simulated environment.	S	SH	Y	DOAP session	Skill assessment/ Log book			Anaesthesiologist
SU17.10.1	At the end of session phase 3 part 2 student must be able to interpret the principle of airway maintenance correctly.								
SU17.10.2	At the end of session phase 3 part 2 student must be able to document the tension pneumothorax, haemothorax and flail chest appropriately.								

SU17.10.3	At the end of session phase 3 part 2 student must be able to perform independently the management remedies for pneumothorax, haemothorax and flail chest in a simulated environment correctly								
Topic: Skin and subcutaneous tissue		Number of competencies: (03)			Number of procedures that require certification: (NIL)				
SU18.1	Describe the pathogenesis, clinical features and management of various cutaneous and subcutaneous infections.	K	KH	Y	Lecture, Small group Discussion	Written/ Viva voce			
SU18.1.1	At the end of session, phase 3 part -2 schedule must be able to Enumerate various cutaneous infections?								
SU18.1.2	At the end of session, phase 3 part -2 schedule must be able to Enumerate various subcutaneous infections?								
SU18.1.3	At the end of session, phase 3 part -2 schedule must be able to Differentiate between cutaneous and subcutaneous infections?								
SU18.1.4	At the end of session, phase 3 part -2 schedule must be able to Describe the clinical features of cutaneous and subcutaneous infections?								
SU18.1.5	At the end of session, phase 3 part -2 schedule must be able to Discuss the etiopathogenesis of cutaneous and subcutaneous infections?								
SU18.1.6	At the end of session, phase 3 part -2 schedule must be able to Discuss the principle of management of cutaneous and subcutaneous infections								
SU18.2	Classify skin tumors Differentiate different skin tumors and discuss their management.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce/ Skill assessment			
SU18.2.1	At the end of session, phase 3 part -2 schedule must be able to Classify various skin tumors?								
SU18.2.2	At the end of session, phase 3 part -2 schedule must be able to Differentiate various skin tumors?								
SU18.2.3	At the end of session, phase 3 part -2 schedule must be able to Discuss the management of skin tumors?								

SU20.1	Describe etiopathogenesis of oral cancer symptoms and signs of oropharyngeal cancer.	K		KH	Y	Lecture, Small group discussion	Written/ Viva voce		ENT
SU20.1.1	At the end of session phase 3 part 2 student must be able to Discuss the etiology of oral cancer.								
SU20.1.2	At the end of session phase 3 part 2 student must be able to Discuss the pathogenesis of oral cancer.								
SU20.1.3	At the end of session phase 3 part 2 student must be able to Discuss the clinical features of oropharyngeal cancer.								
SU20.2	Enumerate the appropriate investigations and discuss the Principles of treatment.	K		K	Y	Lecture, Small group discussion	Written/ Viva voce		
SU20.2.1	At the end of session phase 3 part 2 student must be able to Enumerate the investigations for oropharyngeal cancer.								
SU20.2.2	At the end of session phase 3 part 2 student must be able to Discuss the principles of treatment of oropharyngeal cancer.								

Topic: Disorders of salivary glands

Number of competencies: (02)

Number of procedures that require certification: (NIL)

SU21.1	Describe surgical anatomy of the salivary glands, pathology, and clinical presentation of disorders of salivary glands.	K		KH	Y	Lecture, Small group discussion	Written/ Viva voce		
SU21.1.1	At the end of session phase 3 part 2 student must be able to Discuss the surgical anatomy of salivary glands.								
SU21.1.2	At the end of session phase 3 part 2 student must be able to Describe the pathology of disorders of salivary glands.								
SU21.1.3	At the end of session phase 3 part 2 student must be able to Describe the clinical features of disorders of salivary glands.								
SU21.2	Enumerate the appropriate investigations and describe the Principles of treatment of disorders of salivary glands.	K		KH	Y	Lecture, Small group discussion	Written/ Viva voce		
SU21.2.1	At the end of session phase 3 part 2 student must be able to Enumerate the investigations which need to be done in a patient with salivary gland disorders.								

SU21.2.2	At the end of session phase 3 part 2 student must be able to Discuss the principles of management of salivary gland disorders.								
Topic: Endocrine General Surgery: Thyroid and parathyroid		Number of competencies: (06)			Number of procedures that require certification: (NIL)				
SU22.1	Describe the applied anatomy and physiology of thyroid	K		KH	Y	Lecture, Small group discussion	Written/ Viva voce		Human Anatomy
SU22.1.1	At the end of session phase 3 schedule must be able to discuss the applied anatomy of thyroid gland								
SU22.1.2	At the end of session phase 3 schedule must be able to discuss the physiology of thyroid gland								
SU22.2	Describe the etiopathogenesis of thyroidal swellings.	K		KH	Y	Lecture, Small group discussion	Written/ Viva voce		Pathology
SU22.2.1	At the end of session phase 3 schedule must be able to discuss the etiology of thyroidal swelling								
SU22.2.2	At the end of session phase 3 schedule must be able to discuss the pathogenesis of thyroidal swelling								
SU22.3	Demonstrate and document the correct clinical examination of thyroid swellings and discuss the differential diagnosis and their management.	S		SH	Y	Bedside clinic	Skill assessment		
SU22.3.1	At the end of session phase 3 schedule must be able to demonstrate the correct clinical examination of thyroid swelling								
SU22.3.2	At the end of session phase 3 schedule must be able to discuss the differential diagnosis of thyroid gland swelling								
SU22.3.3	At the end of session phase 3 schedule must be able to discuss the various pathological, biochemical and radiological investigations with the patients accurately								
SU22.3.4	At the end of session phase 3 schedule must be able to interpret the various investigations accurately								

SU22.3.5	At the end of session phase 3 schedule must be able to counsel the patient / relatives about the investigations correctly								
SU22.3.6	At the end of session phase 3 schedule must be able to discuss multidisciplinary approaches in management of thyroid swelling								
SU22.4	Describe the clinical features, classification and principles of management of thyroid cancer	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
SU22.4.1	At the end of session phase 3 schedule must be able to enumerate the clinical features of thyroid cancer								
SU22.4.2	At the end of session phase 3 schedule must be able to discuss the classification of thyroid cancer								
SU22.4.3	At the end of session phase 3 schedule must be able to discuss the various pathological, biochemical and radiological investigations with patient accurately								
SU22.4.4	At the end of session phase 3 schedule must be able to interpret the various investigations accurately								
SU22.4.5	At the end of session phase 3 schedule must be able to counsel the patient / relatives about the investigations correctly								
SU22.4.6	At the end of session phase 3 schedule must be able to discuss multidisciplinary approaches in management of thyroid cancer correctly								
SU22.4.7	At the end of session phase 3 schedule must be able to document multidisciplinary approaches in management of thyroid cancer correctly								
SU22.4.8	At the end of session phase 3 schedule must be able to demonstrate the understanding of multidisciplinary approaches in management of thyroid cancer correctly								
SU22.5	Describe the applied anatomy of parathyroid.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Human Anatomy	

SU22.5.1	At the end of session phase 3 schedule must be able to discuss the applied anatomy of parathyroid gland								
SU22.6	Describe and discuss the clinical features of hypo - and hyperparathyroidism and the principles of their management.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			General Medicine
SU22.6.1	At the end of session phase 3 schedule must be able to discuss the clinical features of hypoparathyroidism and hyperparathyroidism								
SU22.6.2	At the end of session phase 3 schedule must be able to discuss the biological basis of detection of hypoparathyroidism and hyperparathyroidism								
SU22.6.3	At the end of session phase 3 schedule must be able to discuss various pathological and radiological investigations in patients of hypoparathyroidism and hyperparathyroidism								
SU22.6.4	At the end of session phase 3 schedule must be able to discuss various pathological and radiological investigations with patient accurately								
SU22.6.5	At the end of session phase 3 schedule must be able to interpret the various investigations accurately								
SU22.6.6	At the end of session phase 3 schedule must be able to discuss multidisciplinary approaches in management of hypoparathyroidism and hyperparathyroidism								
SU22.6.7	At the end of session phase 3 schedule must be able to demonstrate the understanding of multidisciplinary approaches in management of hypoparathyroidism and hyperparathyroidism								
Topic: Adrenal glands		Number of competencies: (03)			Number of procedures that require certification: (NIL)				
SU23.1	Describe the applied anatomy of adrenal glands	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Human Anatomy	

SU23.1.1	At the end of session phase 3 schedule must be able to discuss the applied anatomy of adrenal gland								
SU23.2	Describe the etiology, clinical features and principles of management of disorders of adrenal gland	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			General Medicine
SU23.2.1	At the end of session phase 3 schedule must be able to discuss the etiology of disorders of adrenal gland								
SU23.2.2	At the end of session phase 3 schedule must be able to discuss the clinical features of disorders of adrenal gland								
SU23.2.3	At the end of session phase 3 schedule must be able to discuss various pathological and radiological investigations with patient accurately								
SU23.2.4	At the end of session phase 3 schedule must be able to interpret the various investigations accurately								
SU23.2.5	At the end of session phase 3 schedule must be able to counsel the patient / relatives about the investigations accurately								
SU23.2.6	At the end of session phase 3 schedule must be able to discuss multidisciplinary approaches in management of disorders of adrenal gland								
SU23.2.7	At the end of session phase 3 schedule must be able to demonstrate the understanding of multidisciplinary approaches in management of disorders of adrenal gland								
SU23.3	Describe the clinical features, principles of investigation and management of Adrenal tumors.	K	KH	Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce			
SU23.3.1	At the end of session phase 3 schedule must be able to describe the clinical features of adrenal tumors								

SU23.3.2	At the end of session phase 3 schedule must be able to discuss the various pathological , biochemical and radiological investigations with patients accurately						
SU23.3.3	At the end of session phase 3 schedule must be able to interpret the various investigations accurately						
SU23.3.4	At the end of session phase 3 schedule must be able to counsel the patient / relatives about the investigations accurately						
SU23.3.5	At the end of session phase 3 schedule must be able to discuss multidisciplinary approaches in management of adrenal tumors						
SU23.3.6	At the end of session phase 3 schedule must be able to document multidisciplinary approaches in management of adrenal tumors						
SU23.3.7	At the end of session phase 3 schedule must be able to demonstrate the understanding of multidisciplinary approaches in management of disorders of adrenal tumor						
SU23.3.8	At the end of session phase 3 schedule must be able to describe						
Topic: Pancreas		Number of competencies: (03)			Number of procedures that require certification: (NIL)		
SU24.1	Describe the clinical features, principles of investigation, prognosis and management of pancreatitis.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce	Human Anatomy
SU24.1.1	At the end of session phase 3 part 2 student must be able to Discuss the symptoms and signs of Acute/Chronic Pancreatitis.						
SU24.1.2	At the end of session phase 3 part 2 student must be able to Discuss the principles of investigations in a patient of Acute/Chronic Pancreatitis.						
SU24.1.3	At the end of session phase 3 part 2 student must be able to Discuss the principles of management in a patient of Acute/Chronic Pancreatitis.						

SU24.2	Describe the clinical features, principles of investigation, prognosis and management of pancreatic endocrine tumours.	K	KH	Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce			
SU24.2.1	At the end of session phase 3 part 2 student must be able to Discuss the clinical features of Pancreatic endocrine tumours.								
SU24.2.2	At the end of session phase 3 part 2 student must be able to Discuss the principles of investigation of pancreatic endocrine tumours.								
SU24.2.3	At the end of session phase 3 part 2 student must be able to Discuss the principles of management and the prognosis in a patient with Pancreatic endocrine tumours.								
SU24.3	Describe the principles of investigation and management of Pancreatic disorders including pancreatitis and endocrine tumours.	K	KH	Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce/ Skill assessment			
SU24.3.1	At the end of session phase 3 part 2 student must be able to Discuss the principles of investigations in a patient of Pancreatic disorders.								
SU24.3.2	At the end of session phase 3 part 2 student must be able to Discuss the plan of management in a patient of Pancreatic disorders								
Topic: Breast		Number of competencies: (05)			Number of procedures that require certification: (NIL)				
SU25.1	Describe applied anatomy and appropriate investigations for breast disease.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce/ Skill assessment		Human Anatomy	
SU25.1.1	At the end of session phase 3 part 2 student must be able to Discuss the Applied anatomy of breast.								
SU25.1.2	At the end of session phase 3 part 2 student must be able to Discuss the investigations which need to be done in a patient of breast disease.								
SU25.2	Describe the etiopathogenesis, clinical features and principles of management of benign breast disease including infections of the breast.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce/ Skill assessment			
SU25.2.1	At the end of session phase 3 part 2 student must be able to Discuss the etiopathogenesis of benign breast diseases.								
SU25.2.2	At the end of session phase 3 part 2 student must be able to Describe the symptoms and signs of benign breast disease.								

SU25.2.3	At the end of session phase 3 part 2 student must be able to Discuss the principles of management of benign breast diseases.						
SU25.2.4	At the end of session phase 3 part 2 student must be able to Discuss the etio-pathogenesis of breast infections.						
SU25.2.5	At the end of session phase 3 part 2 student must be able to Describe the symptoms and signs breast infections.						
SU25.2.6	At the end of session phase 3 part 2 student must be able to Describe the symptoms and signs of breast infections.						
SU25.3	Describe the etio-pathogenesis, clinical features, Investigations and principles of treatment of benign and malignant tumours of breast.	K	KH	Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce/ Skill assessment	Radiodiagnosis
SU25.3.1	At the end of session phase 3 part 2 student must be able to Discuss the etio-pathogenesis of benign tumors of the breast.						
SU25.3.2	At the end of session phase 3 part 2 student must be able to Discuss the clinical features of benign tumors of the breast						
SU25.3.3	At the end of session phase 3 part 2 student must be able to Discuss the etio-pathogenesis of malignant tumors of the breast.						
SU25.3.4	At the end of session phase 3 part 2 student must be able to Discuss the clinical features of malignant tumors of the breast						
SU25.3.5	At the end of session phase 3 part 2 student must be able to Discuss what investigations should be done in patients of suspected benign tumor of the breast.						
SU25.3.6	At the end of session phase 3 part 2 student must be able to Discuss what investigations should be done in patients of suspected malignant tumor of the breast.						
SU25.4	Counsel the patient and obtain informed consent for treatment of malignant conditions of the breast.	A/ C	SH	Y	DOAP session	Skill assessment	
SU25.4.1	At the end of session phase 3 part 2 student must be able to Discuss the prognosis after modern surgical treatment of carcinoma of the breast.						

SU25.4.2	At the end of session phase 3 part 2 student must be able to Counsel a patient of Ca. breast about her disease and convince her that surgical treatment of her disease will give her the best chances of survival.						
SU25.4.3	At the end of session phase 3 part 2 student must be able to Obtain an informed consent from this patient for surgical treatment of her disease.						
SU25.5	Demonstrate the correct technique to palpate the breast for breast swelling in a mannequin or equivalent	S	SH	Y	DOAP session	Skill assessment	
SU25.5.1	At the end of session phase 3 part 2 student must be able to Demonstrate the correct technique to palpate the breast for a breast lump in a mannequin or equivalent.						

Topic: Cardio-thoracic General Surgery- Chest - Heart and Lungs **Number of competencies: (04)** **Number of procedures that require certification: (NIL)**

SU26.1	Outline the role of surgery in the management of coronary heart disease, valvular heart diseases and congenital heart diseases.	K		K	Y	Lecture, Small group discussion	Written/ Viva voce		
SU26.1.1	At the end of session phase 3 part 2 student must be able to Discuss the role of surgery in Coronary heart disease.								
SU26.1.2	At the end of session phase 3 part 2 student must be able to Discuss the role of surgery in Valvular heart disease.								
SU26.1.3	At the end of session phase 3 part 2 student must be able to Discuss the role of surgery in Congenital heart disease.								
SU26.3	Describe the clinical features of mediastinal diseases and the principles of management.	K		K	Y	Lecture, Small group discussion	Written/ Viva voce		
SU26.3.1	At the end of session phase 3 part 2 student must be able to Discuss the clinical features of mediastinal diseases.								
SU26.3.2	At the end of session phase 3 part 2 student must be able to Discuss the principles of management of mediastinal diseases.								
SU26.4	Describe the etiology, pathogenesis, clinical features of tumors of lung and the principles of management.	K		K	Y	Lecture, Small group discussion	Written/ Viva voce		

SU26.4.1	At the end of session phase 3 part 2 student must be able to Discuss the etiology of lung tumors.							
SU26.4.2	At the end of session phase 3 part 2 student must be able to Discuss the pathogenesis of lung tumors.							
SU26.4.3	At the end of session phase 3 part 2 student must be able to Discuss the clinical features of lung tumors.							
SU26.4.4	At the end of session phase 3 part 2 student must be able to Discuss the principles of management of lung tumors.							
Topic: Vascular diseases		Number of competencies: (08)			Number of procedures that require certification: (NIL)			
SU27.1	Describe the etiopathogenesis, clinical features, investigations and principles of treatment of occlusive arterial disease.	K		KH	Y	Lecture, Small group discussion	Written/ Viva voce/ Skill assessment	
SU27.1.1	At the end of session, phase 3 part 2 schedule must be able to discuss clinical features of occlusive arterial disease correctly.							
SU27.1.2	At the end of session, phase 3 part 2 schedule must be able to discuss investigation of occlusive arterial disease .							
SU27.1.3	At the end of session, phase 3 part 2 schedule must be able to describe the line of treatment of occlusive arterial disease.							
SU27.1.4	At the end of session, phase 3 part 2 schedule must be able to describe the etiopathogenesis of occlusive arterial disease accurately.							
SU27.1.5	At the end of session, phase 3 part 2 schedule must be able to discuss complication of occlusive arterial disease.							
SU27.2	Demonstrate the correct examination of the vascular system and enumerate and describe the investigation of vascular disease.	S		SH	Y	DOAP session	Skill assessment	
SU27.2.1	At the end of session, phase 3 part 2 schedule must be able to enumerate different vascular disorders.							

SU27.2.2	At the end of session, phase 3 part 2 schedule must be able to enumerate the clinical examination for vascular disorders.							
SU27.2.3	At the end of session, phase 3 part 2 schedule must be able to describe clinical features of venous diseases.							
SU27.2.4	At the end of session, phase 3 part 2 schedule must be able to describe the various investigation of vascular disorder.							
SU27.2.5	At the end of session, phase 3 part 2 schedule must be able to discuss various arterial and venous diseases.							
SU27.2.6	At the end of session, phase 3 part 2 schedule must be able to demonstrate the examination of arterial disease.							
SU27.3	Describe clinical features, investigations and principles of management of vasospastic disorders.	K		KH Y	Lecture, Small group discussion	Written/ Viva voce		
SU27.3.1	At the end of session, phase 3 part 2 schedule must be able to enumerate different vasospastic disorders.							
SU27.3.2	At the end of session , phase 3 part 2 schedule must be able to discuss the clinical features of vasospastic disorders.							
SU27.3.3	At the end of session , phase 3 part 2 schedule must be able to discuss the investigation of vasospastic disorders.							
SU27.3.4	At the end of session , phase 3 part 2 schedule must be able to discuss the line of management of vasospastic disorders.							
SU27.3.5	At the end of session , phase 3 part 2 schedule must be able to discuss the complication of vasospastic disorders.							
SU27.4	Describe the types of gangrene and principles of amputation.	K		KH Y	Lecture, Small group discussion	Written/ Viva voce/ Skill assessment		

SU27.4.1	At the end of session , phase 3 part 2 schedule must be able to enumerate the different type of gangrene.							
Su27.4.2	At the end of session , phase 3 part 2 schedule must be able to discuss the pathophysiology of gangrene.							
SU27.4.3	At the end of session , phase 3 part 2 schedule must be able to discuss the investigation of gangrene.							
SU27.4.4	At the end of session , phase 3 part 2 schedule must be able to discuss the complication of gangrene.							
SU27.4.5	At the end of session , phase 3 part 2 schedule must be able to describe pregangrenous changes in gangrene.							
SU27.4.6	At the end of session , phase 3 part 2 schedule must be able to discuss the indication of amputation.							
SU27.4.7	At the end of session , phase 3 part 2 schedule must be able to discuss the contraindication of amputation.							
SU27.4.8	At the end of session , phase 3 part 2 schedule must be able to discuss the type of amputation.							
SU27.4.9	At the end of session , phase 3 part 2 schedule must be able to discuss the complication of amputation.							
SU27.5	Describe the applied anatomy of venous system of lower limb.	K		K Y	Lecture, Small group discussion	Written/ Viva voce		
SU27.5.1	At the end of session , phase 3 part 2 schedule must be able to describe the anatomy of venous system of lower limb.							
SU27.5.2	At the end of session , phase 3 part 2 schedule must be able to enumerate different disorder of venous system .							

SU27.5.3	At the end of session , phase 3 part 2 schedule must be able to describe the level of perforation in lower limb.							
SU27.5.4	At the end of session , phase 3 part 2 schedule must be able to describe the causes of varicosity of lower limb.							
SU27.5.5	At the end of session , phase 3 part 2 schedule must be able to describe the complication in venous system of lower limb.							
SU27.6	Describe pathophysiology, clinical features, Investigations and principles of management of DVT and Varicose veins.	K		KH Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce/ Skill assessment		
SU27.6.1	At the end of session , phase 3 part 2 schedule must be able to discuss the pathophysiology of DVT.							
SU27.6.2	At the end of session , phase 3 part 2 schedule must be able to discuss the pathophysiology of varicose veins.							
SU27.6.3	At the end of session , phase 3 part 2 schedule must be able to discuss the clinical features of DVT.							
SU27.6.4	At the end of session, phase 3 part 2 schedule must be able to discuss the clinical features of varicose veins.							
SU27.6.5	At the end of session , phase 3 part 2 schedule must be able to discuss the investigation of DVT.							
SU27.6.6	At the end of session , phase 3 part 2 schedule must be able to discuss the investigation of varicose veins.							
SU27.6.7	At the end of session , phase 3 part 2 schedule must be able to discuss the medical management of DVT.							
SU27.6.8	At the end of session , phase 3 part 2 schedule must be able to discuss the management of varicosity of veins.							
SU27.6.9	At the end of session , phase 3 part 2 schedule must be able to discuss the surgical management of DVT.							

SU27.6.10	At the end of session , phase 3 part 2 schedule must be able to describe the examination of lower limb for varicose veins.							
SU27.6.11	At the end of session , phase 3 part 2 schedule must be able to discuss the complication of surgery in DVT.							
SU27.7	Describe pathophysiology, clinical features, investigations and principles of management of Lymph edema, lymphangitis and Lymphomas	K		KH Y	Lecture, Small group discussion	Written/ Viva voce/ Skill assessment		
SU27.7.1	At the end of session , phase 3 part 2 schedule must be able to describe the lymphedema,Lymphangitis, Lymphomas.							
SU27.7.2	At the end of session , phase 3 part 2 schedule must be able to discuss the clinical features of lymphedema,Lymphangitis, Lymphomas.							
SU27.7.3	At the end of session , phase 3 part 2 schedule must be able to discuss the investigation of lymphedema,Lymphangitis, Lymphomas.							
SU27.7.4	At the end of session , phase 3 part 2 schedule must be able to discuss the pathophysiology of lymphedema,Lymphangitis, Lymphomas.							
SU27.7.5	At the end of session , phase 3 part 2 schedule must be able to enumerate the causes of lymphedema, Lymphangitis, Lymphomas.							
SU27.7.6	At the end of session , phase 3 part 2 schedule must be able to discuss the management of lymphedema, Lymphangitis, Lymphomas.							
SU27.7.7	At the end of session , phase 3 part 2 schedule must be able to discuss the complication of lymphedema, Lymphangitis, Lymphomas.							
SU27.8	Demonstrate the correct examination of the lymphatic system.	S		SH Y	DOAP session, Bedside clinic	Skill assessment		

SU27.8.1	At the end of session , phase 3 part 2 schedule must be able to enumerate different lymphatic disorder.								
SU27.8.2	At the end of session , phase 3 part 2 schedule must be able to discuss the clinical features of lymphatic disorder.								
SU27.8.3	At the end of session , phase 3 part 2 schedule must be able to discuss the complication of lymphatic disorder.								
SU27.8.4	At the end of session , phase 3 part 2 schedule must be able to demonstrate the examination of lymphatic disorder.								
SU27.8.5	At the end of session , phase 3 part 2 schedule must be able to demonstrate the examination of different groups of lymph nodes.								
Topic: Abdomen		Number of competencies: (18)			Number of procedures that require certification: (NIL)				
SU28.1	Describe pathophysiology, clinical features, Investigations and principles of management of Hernias	K		KH	Y	Lecture, Small group discussion	Written/ Viva voce/ Skill assessment		
SU28.1.1	At the end of phase III students must be able to define hernia.								
SU28.1.2	At the end of phase III students must be able to describe the pathophysiology of hernia , enumerate the clinical features of hernia.								
SU28.1.3	At the end of phase III students must be able to list out the principles of management of hernia with the knowledge that how hernia is repaired								
SU28.2	Demonstrate the correct technique to examine the patient with hernia and identify different types of hernias.	S	SH	Y	DOAP session, Bedside clinic	Skill assessment			
SU28.2.1	At the end of phase III students must be able to demonstrate the different test to Diagnose hernia.								
SU28.2.2	At the end of phase III student must be able to differentiate between direct and indirect inguinal hernia.								
SU28.2.3	At the end of phase III student must be able to identify all abdominal wall hernia & congenital hernia in children.								

SU28.3	Describe causes, clinical features, complications and principles of management of peritonitis.	K	K	Y	Lecture, Small group Bedside clinic	Written/ Viva voce			
SU28.3.1	At the end of phase III student must be able to describe the causes of peritonitis.								
SU28.3.2	At the end of phase III student must be able to enumerate the cause features of peritonitis.								
SU28.3.3	At the end of phase III student must be able to list out the complication and define principles of management of peritonitis.								
SU28.4	Describe pathophysiology, clinical features, investigations and principles of management of Intra-abdominal abscess, mesenteric cyst, and retroperitoneal tumors.	K	K	Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce			
SU28.4.1	At the end of phase III student must be able to list out the causes of intra abdominal abscess with its clinical features & complication.								
SU28.4.2	At the end of phase III student must be able to describe the principle of management of intra abdominal abscess.								
SU28.4.3	At the end of phase III student must be able to differentiate between mesenteric cyst& intra abdominal tumors.								
SU28.5	Describe the applied Anatomy and physiology of esophagus	K	K	Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce		Human Anatomy, Physiology	
SU28.5.1	At the end of phase III student must be able to know & tell the anatomy of oesophagus particularly its relationship with other organs.								
SU28.5.2	At the end of phase III student must be able to discuss the pathophysiology & motility disorders of oesophagus								
SU28.6	Describe the clinical features, investigations and principles of management of benign and malignant disorders of esophagus.	K	K	Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce			
SU28.6.1	At the end of phase III student must be able to describe all benign & malignant diseases of oesophagus and its clinical features.								
SU28.6.2	At the end of phase III student must be able to enumerate the various investigation to diagnose oesophagus disorders & describe the principles of its management.								

SU28.7	Describe the applied anatomy and physiology of stomach.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Human Anatomy	
SU28.7.1	At the end of phase III student must be able to describe the anatomy of stomach and its relation with other organs.								
SU28.7.2	At the end of phase III student must be able to describe the motility, exocrine secretion & hormones secreted from stomach & describe how it affects the body.								
SU28.8	Describe and discuss the aetiology, the clinical features, investigations and principles of management of congenital hypertrophic pyloric stenosis, Peptic ulcer disease, Carcinoma stomach.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce/ Skill assessment			
SU28.8.1	At the end of phase III student must be able to describe in brief about congenital hypertrophic pyloric stenosis.								
SU28.8.2	At the end of phase III student must be able to describe clinical features, investigation, management of gastric & duodenal ulcers of stomach. student must know how the complications of ulcer are managed.								
SU28.8.3	At the end of phase III student must be able to enumerate the etiology of carcinoma stomach & how a benign lesion gets converted into a malignant lesion.								
SU28.8.4	At the end of phase III student must be able to describe clinical features & investigation & management of stomach.								
SU28.9	Demonstrate the correct technique of examination of a patient with disorders of the stomach.	S	SH	Y	DOAP session, Bedside clinic	Skill assessment			
SU28.9.1	At the end of phase III student must be able to identify the disorders of stomach.								
SU28.9.2	At the end of phase III student must be able to interpret the disorders of stomach & demonstrate it.								
SU28.10	Describe the applied anatomy of liver. Describe the clinical features, investigations and principles of management of liver abscess, hydatid disease, injuries and tumors of the liver.	K	KH	Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce		Human Anatomy	
SU28.10.1	At the end of this session, phase 3 part 2 Student must be able to DESCRIBE the concept of applied anatomy of liver CORRECTLY								

SU28.12.2	At the end of this session, phase 3 part 2 Student must be able to LIST the clinical features of diseases of biliary system CORRECTLY								
SU28.12.3	At the end of this session, phase 3 part 2 Student must be able to ENUMERATE investigations of diseases of biliary system CORRECTLY								
SU28.12.4	At the end of this session, phase 3 part 2 Student must be able to DISCUSS the principles of management of diseases of biliary system								
SU28.13	Describe the applied anatomy of small and large intestine.	K	KH	Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce		Human Anatomy	
SU28.13.1	At the end of this session, phase 3 part 2 Student must be able to DESCRIBE the concepts of applied anatomy of small intestine in detail CORRECTLY								
SU28.13.2	At the end of this session, phase 3 part 2 Student must be able to DESCRIBE the concepts of applied anatomy of large intestine in detail CORRECTLY								
SU28.14	Describe the clinical features, investigations and principles of management of disorders of small and large intestine including neonatal obstruction and Short gut syndrome.	K	KH	Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce			
SU28.14.1	At the end of this session, phase 3 part 2 Student must be able to LIST clinical features of disorders of small intestine CORRECTLY								
SU28.14.2	At the end of this session, phase 3 part 2 Student must be able to LIST clinical features of disorders of large intestine CORRECTLY								
SU28.14.3	At the end of this session, phase 3 part 2 Student must be able to ENUMERATE investigations for the disorders of small intestine CORRECTLY								
SU28.14.4	At the end of this session, phase 3 part 2 Student must be able to ENUMERATE investigations for the disorders of large intestine CORRECTLY								
SU28.14.5	At the end of this session, phase 3 part 2 Student must be able to DISCUSS management of disorders of small intestine CORRECTLY								
SU28.14.6	At the end of this session, phase 3 part 2 Student must be able to DISCUSS management of disorders of large intestine CORRECTLY								
SU28.14.7	At the end of this session, phase 3 part 2 Student must be able to LIST clinical features of neonatal obstruction CORRECTLY								

SU28.14.8	At the end of this session, phase 3 part 2 Student must be able to ENUMERATE investigations of neonatal obstruction CORRECTLY							
SU28.14.9	At the end of this session, phase 3 part 2 Student must be able to DISCUSS management of neonatal obstruction CORRECTLY							
SU28.14.10	At the end of this session, phase 3 part 2 Student must be able to LIST clinical features of short gut syndrome CORRECTLY							
SU28.14.11	At the end of this session, phase 3 part 2 Student must be able to ENUMERATE investigations of short gut syndrome CORRECTLY							
SU28.14.12	At the end of this session, phase 3 part 2 Student must be able to DISCUSS management of short gut syndrome CORRECTLY							
SU28.15	Describe the clinical features, investigations and principles of management of diseases of Appendix including appendicitis and its complications.	K	KH	Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce/ Skill assessment		
SU28.15.1	At the end of this session, phase 3 part 2 Student must be able to LIST clinical features of appendicitis CORRECTLY							
SU28.15.2	At the end of this session, phase 3 part 2 Student must be able to Enumerate investigations in case of appendicitis CORRECTLY							
SU28.15.3	At the end of this session, phase 3 part 2 Student must be able to Discuss management of appendicitis CORRECTLY							
SU28.15.4	At the end of this session, phase 3 part 2 Student must be able to Discuss complications of acute appendicitis CORRECTLY							
SU28.16	Describe applied anatomy including congenital anomalies of the rectum and anal canal.	K	KH	Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce/ Skill assessment	Human Anatomy	
SU28.16.1	At the end of this session, phase 3 part 2 Student must be able to DESCRIBE applied anatomy of rectum CORRECTLY							
SU28.16.2	At the end of this session, phase 3 part 2 Student must be able to DESCRIBE applied anatomy of anal canal CORRECTLY							
SU28.16.3	At the end of this session, phase 3 part 2 Student must be able to DISCUSS congenital anomalies of rectum CORRECTLY							

SU28.16.4	At the end of this session, phase 3 part 2 Student must be able to DISCUSS congenital anomalies of anal canal CORRECTLY								
SU28.17	Describe the clinical features, investigations and principles of management of common anorectal diseases.	K	KH	Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce/ Skill assessment			
SU28.17.1	At the end of this session, phase 3 part 2 Student must be able to LIST the clinical features of common anorectal diseases CORRECTLY								
SU28.17.2	At the end of this session, phase 3 part 2 Student must be able to ENUMERATE investigations in common anorectal diseases CORRECTLY								
SU28.17.3	At the end of this session, phase 3 part 2 Student must be able to DISCUSS management of common anorectal diseases CORRECTLY								
SU28.18	Describe and demonstrate clinical examination of abdomen. Order relevant investigations. Describe and discuss appropriate treatment plan.	S	SH	Y	Bedside clinic, DOAP session, Small group discussion	Skill assessment			
SU28.18.1	At the end of this session, phase 3 part 2 Student must be able to DESCRIBE the clinical examination of abdomen CORRECTLY								
SU28.18.2	At the end of this session, phase 3 part 2 Student must be able to DEMONSTRATE the clinical examination of abdomen CORRECTLY								
SU28.18.3	At the end of this session, phase 3 part 2 Student must be able to DISCUSS relevant investigations in case of abdominal disease CORRECTLY								
SU28.18.4	At the end of this session, phase 3 part 2 Student must be able to CHOOSE appropriate treatment plan in case of abdominal disease CORRECTLY								
Topic: Urinary System Number of competencies: (11) Number of procedures that require certification: (NIL)									
SU29.1	Describe the causes, investigations and principles of management of Hematuria.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
SU29.1.1	At the end of the session ,phase 3part 2;student must be able to Define Hematuria .								
SU29.1.2	At the end of the session ,phase 3 part-2 ;student must be able to Enumerate various causes of Hematuria								

SU29.1.3	At the end of the session ,phase 3 part-2 ;student must be able to Enumerate investigations requiredin patients of hematuria .							
SU29.1.4	At the end of the session ,phase 3 part-2;student must be able to Describe principles of management of Hematuria .							
SU29.1.5	At the end of the session ,phase 3 part-2;student must be able to List various pathogens causing Hematuria .							
SU29.1.6	At the end of the session ,phase 3 part-2 student must be able to choose best treatment of Hematuria .							
SU29.1.7	At the end of the session ,phase 3 part-2 ;student must be able to Enumerate causes of painless Hematuria.							
SU29.1.8	At the end of the session ,phase 3; part-2student must be able to List signs and symptoms of Hematuria							
SU29.2	Describe the clinical features, investigations and principles of management of congenital anomalies of genitourinary system.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Human Anatomy
SU29.2.1	At the end of the session ,phase 3 part-2;student must be able to List congenital anomalies of Urinary and genital system.							
SU29.2.2	At the end of the session ,phase 3 part-2;student must be able to Enumerate various ectopic positions of Kidney.							
SU29.2.3	At the end of the session ,phase 3 part-2 ;student must be able to Describe various congenital defects of ureters.							
SU29.2.4	At the end of the session ,phase 3 part-2;student must be able to Enumerate various investigations needed to detect developmental anomalies .							
SU29.2.5	At the end of the session ,phase 3 part-2 ;student must be able to describe Undescended testis and its ideal age for orcheopaxy.							
SU29.2.6	At the end of the session ,phase 3 part-2;student must be able to detect and classify Hypospdias its treatment and best age .							

SU29.2.7	At the end of the session ,phase 3 part-2 ;student must be able to Describe complications of undescended testis.							
SU29.2.8	At the end of the session ,phase 3; part-2 student must be able to Describe normal renal development of urinary system from meta nephric mesenchyme and ureteric bud .							
SU29.2.9	At the end of the session ,phase 3 part-2 ;student must be able to Describe Renal agenesis, Renal hypoplasia.							
SU29.2.10	At the end of the session ,phase 3 part-2 ;student must be able to Describe Horse shaped kidney its complications and management .							
SU29.3	Describe the Clinical features, Investigations and principles of management of urinary tract infections.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Microbiology
SU29.3.1	At the end of the session ,phase 3; part-2 student must be able to enumerate the organisms causing urinary tract infection.							
SU29.3.2	At the end of the session ,phase 3; part-2 student must be able to Discuss clinical features of UTI							
SU29.3.3	At the end of the session ,phase 3; part-2 student must be able List the investigation in patients suffering from UTI.							
SU29.3.4	At the end of the session ,phase 3; part-2 student must be able understand the principles of management of UTI.							
SU29.3.5	At the end of the session ,phase 3; part-2 student must be able to describe signs and symptoms of UTI.							
SU29.3.6	At the end of the session ,phase 3; part-2 student must be able to enumerate the complications of UTI.							
SU29.4	Describe the clinical features, investigations and principles of management of hydronephrosis.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		
SU29.4.1	At the end of the session , phase 3; part-2 student must be able to define hydronechrosis.							
SU29.4.2	At the end of the session , phase 3; part-2 student must be able to enumerate the causes of hydronephrosis.							

SU29.4.3	At the end of the session , phase 3; part-2 student must be able to list various investigations required in cases of hydronephrosis.								
SU29.4.4	At the end of the session , phase 3; part-2 student must be able to discuss the clinical features.								
SU29.4.5	At the end of the session , phase 3; part-2 student must be able to discuss principles of management of hydronephrosis.								
SU29.4.6	At the end of the session , phase 3; part-2 student must be able to discuss pathophysiology of hydronephrosis.								
SU29.5	Describe the clinical features,investigations and principles of management of renal calculi.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
SU29.5.1	At the end of the session , phase 3; part-2 student must be able to define renal calculi.								
SU29.5.2	At the end of the session , phase 3; part-2 student must be able to discuss the etiology factors of renal calculi.								
SU29.5.3	At the end of the session , phase 3; part-2 student must be able to classify renal calculi on the basis of composition.								
SU29.5.4	At the end of the session , phase 3; part-2 student must be able to describe complications of renal calculi.								
SU29.5.5	At the end of the session , phase 3; part-2 student must be able to discuss the clinical features of renal calculi.								
SU29.5.6	At the end of the session , phase 3; part-2 student must be able to list the investigations in case of renal calculi.								
SU29.5.7	At the end of the session , phase 3; part-2 student must be able to describe the principles of management of renal calculi.								
SU29.5.8	At the end of the session , phase 3; part-2 student must be able to discuss the kidney function test.								
SU29.5.9	At the end of the session , phase 3; part-2 student must be able to choose the best possible surgery.								
SU29.6	Describe the clinical features, investigations and principles of management of renal tumours.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
SU29.6.1	At the end of the session , phase 3; part-2 student must be able to classifications of renal tumours								

SU29.6.2	At the end of the session , phase 3; part-2 student must be able to discuss etiopathogenesis of renal tumours.							
SU29.6.3	At the end of the session , phase 3; part-2 student must be able to describe the clinical features of renal tumours.							
SU29.6.4	At the end of the session , phase 3; part-2 student must be able to describe the different tumour markers.							
SU29.6.5	At the end of the session , phase 3; part-2 student must be able to enumerate the complications of renal tumour.							
SU29.6.6	At the end of the session , phase 3; part-2 student must be able to discuss the spread of renal tumours.							
SU29.6.7	At the end of the session , phase 3; part-2 student must be able to describe the line of treatment of renal tumours.							
SU29.6.8	At the end of the session , phase 3; part-2 student must be able to discuss the different investigations of renal tumours.							
SU29.6.9	At the end of the session , phase 3; part-2 student must be able to discuss the various histopathological types of renal tumours.							
SU29.6.10	At the end of the session , phase 3; part-2 student must be able to discuss the staging of renal tumours.							
SU29.7	Describe the principles of management of acute and chronic retention of urine.	K	KH	Y	Lecture, Small group discussi on	Written/ Viva voce		
SU29.7.1	At the end of the session , phase 3; part-2 student must be able to list the causes of acute and chronic urine retention.							
SU29.7.2	At the end of the session , phase 3; part-2 student must be able to differentiate between acute and chronic urine retention.							
SU29.7.3	At the end of the session , phase 3; part-2 student must be able to describe the pathology effect of chronic retention of urine.							
SU29.7.4	At the end of the session , phase 3; part-2 student must be able to describe the principle management of acute retention of urine.							

SU29.7.5	At the end of the session , phase 3; part-2 student must be able to describe the principle management of chronic retention of urine.								
SU29.7.6	At the end of the session , phase 3; part-2 student must be able to discuss the investigations of acute and chronic retention of urine.								
SU29.8	Describe the clinical features, investigations and principles of management of bladder cancer.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce			
SU29.8.1	At the end of the session , phase 3; part-2 student must be able to describe clinical features of bladder cancer.								
SU29.8.2	At the end of the session , phase 3; part-2 student must be able to classify the types of bladder cancer.								
SU29.8.3	At the end of the session , phase 3; part-2 student must be able to discuss the complications of bladder cancer.								
SU29.8.4	At the end of the session , phase 3; part-2 student must be able to describe the predisposing factors of bladder cancer.								
SU29.8.5	At the end of the session , phase 3; part-2 student must be able to describe the TNM staging.								
SU29.8.6	At the end of the session , phase 3; part-2 student must be able to describe the histopathology of different bladder cancer.								
SU29.8.7	At the end of the session , phase 3; part-2 student must be able to list the tumour marker of bladder cancer.								
SU29.8.8	At the end of the session , phase 3; part-2 student must be able to discuss the management of bladder cancer.								
SU29.8.9	At the end of the session , phase 3; part-2 student must be able to describe the spread of bladder cancer.								
SU29.9	Describe the clinical features, investigations and principles of management of disorders of prostate.	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce/ Skill assessment			
SU29.9.1	At the end of the session , phase 3; part-2 student must be able to discuss the surgical anatomy of prostate.								
SU29.9.2	At the end of the session , phase 3; part-2 student must be able to list the various disorder of the prostate								

SU29.9.3	At the end of the session , phase 3; part-2 student must be able to differentiate between the BPH and CA prostate.							
SU29.9.4	At the end of the session , phase 3; part-2 student must be able to list the tumour markers.							
SU29.9.5	At the end of the session , phase 3; part-2 student must be able to describe the management of BPH and CA prostate.							
SU29.9.6	At the end of the session , phase 3; part-2 student must be able to discuss the etiology of a prostate enlargement.							
SU29.9.7	At the end of the session , phase 3; part-2 student must be able to differentiate between CA prostate and BPH on the basis of per rectal examination.							
SU29.9.8	At the end of the session , phase 3; part-2 student must be able to discuss the pathological complications of BPH on urinary tract.							
SU29.9.9	At the end of the session , phase 3; part-2 student must be able to list the various operations of prostate.							
SU29.9.10	At the end of the session , phase 3; part-2 student must be able to enumerate the investigations of disorders of prostate.							
SU29.10	Demonstrate a digital rectal examination of the prostate in a mannequin or equivalent.	S	SH	Y	DOAP session	Skill assessment		
SU29.10.1	At the end of the session , phase 3; part-2 student must be able to list the indications and contraindications of DRE.							
SU29.10.2	At the end of the session , phase 3; part-2 student must be able to enumerate the steps of DRE.							
SU29.10.3	At the end of the session , phase 3; part-2 student must be able to differentiate between CA prostate and BPH on DRE.							
SU29.10.4	At the end of the session , phase 3; part-2 student must be able to discuss the clinical findings on DRE in BPH and CA prostate.							
SU29.11	Describe clinical features, investigations and management of urethral strictures.	K	KH	Y	Lecture, Small group discussion, Demons	Written/ Viva voce/ Skill assessment		
SU29.11.1	At the end of the session , phase 3; part-2 student must be able to enumerate the causes of urethral strictures.							

SU29.11.2	At the end of the session , phase 3; part-2 student must be able to describe the clinical features of urethral strictures.				tration				
SU29.11.3	At the end of the session , phase 3; part-2 student must be able to describe the complications of urethral strictures.								
SU29.11.4	At the end of the session , phase 3; part-2 student must be able to enumerate the investigations of urethral strictures.								
SU29.11.5	At the end of the session , phase 3; part-2 student must be able to discuss the line of treatment of urethral strictures.								
SU29.11.6	At the end of the session , phase 3; part-2 student must be able to classify the urethral strictures								
Topic: Penis, Testis and scrotum Number of competencies: (06) Number of procedures that require certification: (NIL)									
SU30.1	Describe the clinical features, investigations and principles of management of phimosis, paraphimosis and carcinoma penis.	K	KH	Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce/ Skill assessment			
SU30.1.1	At the end of session, phase 3 part -2 schedule must be able to Define phimosis, paraphimosis and carcinoma penis?								
SU30.1.2	At the end of session, phase 3 part -2 schedule must be able to Discuss the clinical features of each of above?								
SU30.1.3	At the end of session, phase 3 part -2 schedule must be able to Enumerate the investigations for phimosis, paraphimosis, carcinoma penis?								
SU30.1.4	At the end of session, phase 3 part -2 schedule must be able to Discuss principle of management for phimosis, paraphimosis and carcinoma penis?								
SU30.1.5	At the end of session, phase 3 part -2 schedule must be able to Describe TNM staging in CA penis.								
SU30.1.6	At the end of session, phase 3 part -2 schedule must be able to Discuss histological classification of CA penis?								
Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/SH/P	Core (Y/N)	Suggested Teaching	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration

SU30.2	Describe the applied anatomy clinical features, investigations and principles of management of undescended testis.	K	KH	Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce/ Skill assessment		Human Anatomy	
SU30.2.1	At the end of session, phase 3 part -2 schedule must be able to Describe embryological process of decent of testis?								
SU30.2.2	At the end of session, phase 3 part -2 schedule must be able to Discuss etiopathogenesis of undescended testis?								
SU30.2.3	At the end of session, phase 3 part -2 schedule must be able to Enumerate various locations of undescended testis?								
SU30.2.4	At the end of session, phase 3 part -2 schedule must be able to Discuss clinical features of undescended testis?								
SU30.2.5	At the end of session, phase 3 part -2 schedule must be able to Enumerate various investigation for undescended testis?								
SU30.2.6	At the end of session, phase 3 part -2 schedule must be able to Describe principle of management of undescended testis?								
SU30.3	Describe the applied anatomy clinical features, investigations and principles of management of epididymo-orchitis.	K	KH	Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce/ Skill assessment		Human Anatomy	
SU30.3.1	At the end of session, phase 3 part -2 schedule must be able to Describe etiopathogenesis of epididymo orchitis?								
SU30.3.2	At the end of session, phase 3 part -2 schedule must be able to Discuss clinical features of epididymo orchitis?								
SU30.3.3	At the end of session, phase 3 part -2 schedule must be able to Enumerate investigations of epididymo orchitis?								
SU30.3.4	At the end of session, phase 3 part -2 schedule must be able to Discuss principle of management of epididymo orchitis?								
SU30.3.5	At the end of session, phase 3 part -2 schedule must be able to Discuss anatomy of testis, epididymis and their relation with each other?								

SU30.3.6	At the end of session, phase 3 part -2 schedule must be able to Discuss complications of epididymo orchitis ?							
SU30.4	Describe the applied anatomy clinical features, investigations and principles of management of varicocele.	K	KH	Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce/ Skill assessment		Human Anatomy
SU30.4.1	At the end of session, phase 3 part -2 schedule must be able to Describe etiopathogenesis of varicocele?							
SU30.4.2	At the end of session, phase 3 part -2 schedule must be able to List clinical features of varicocele?							
SU30.4.3	At the end of session, phase 3 part -2 schedule must be able to Enumerate various investigation for varicocele?							
SU30.4.4	At the end of session, phase 3 part -2 schedule must be able to Discuss principle of management of varicocele?							
SU30.4.5	At the end of session, phase 3 part -2 schedule must be able to Discuss complications of untreated varicocele?							
SU30.4.6	At the end of session, phase 3 part -2 schedule must be able to Define varicocele?							
SU30.5	Describe the applied anatomy, clinical features, investigations and principles of management of Hydrocele.	K	KH	Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce/ Skill assessment		Human Anatomy
SU30.5.1	At the end of session, phase 3 part -2 schedule must be able to Define hydrocoele?							
SU30.5.2	At the end of session, phase 3 part -2 schedule must be able to Describe etiopathogenesis od hydrocoele?							
SU30.5.3	At the end of session, phase 3 part -2 schedule must be able to List clinical features of hydrocele?							
SU30.5.4	At the end of session, phase 3 part -2 schedule must be able to Enumerate appropriate investigation for hydrocele?							
SU30.5.5	At the end of session, phase 3 part -2 schedule must be able to Discuss complications of untreated of hydrocele?							
SU30.5.6	At the end of session, phase 3 part -2 schedule must be able to Discuss principle of management of hydrocele							

SU30.6	Describe classification, clinical features, investigations and principles of management of tumours of testis	K	KH	Y	Lecture, Small group discussion, Demonstration	Written/ Viva voce/ Skill assessment			
SU30.6.1	At the end of session, phase 3 part -2 schedule must be able to Classify tumors of testis?								
SU30.6.2	At the end of session, phase 3 part -2 schedule must be able to Discuss clinical features of tumors of testis?								
SU30.6.3	At the end of session, phase 3 part -2 schedule must be able to Enumerate investigations in tumors of testis?								
SU30.6.4	At the end of session, phase 3 part -2 schedule must be able to Discuss principle of management of testicular tumors?								
SU30.6.5	At the end of session, phase 3 part -2 schedule must be able to Discuss complications of testicular tumors?								
SU30.6.6	At the end of session, phase 3 part -2 schedule must be able to Describe TNM staging of tumors of testis?								