

	Competency	Clinician	Leader	Communicator	Lifelong Learner	Professional	Critical Thinker	Researcher
<b>TOPIC</b>	<b>Metabolic response to injury</b>							
SU1.1	Describe Basic concepts of homeostasis; enumerate the metabolic changes in injury and their mediators.	3	1	2	1	3	3	3
SU1.2	Describe the factors that affect the metabolic response to injury.	3	1	2	1	3	3	3
SU1.3	Describe basic concepts of peri-operative care.	3	3	3	1	3	3	3
<b>TOPIC</b>	<b>Shock</b>							
SU2.1	Describe Pathophysiology of shock, types of shock & principles of resuscitation including fluid replacement and monitoring.	3	3	3	3	3	3	3
SU2.2	Describe the clinical features of shock and its appropriate treatment.	3	3	3	3	3	3	3
SU2.3	Communicate and counsel patients and families about the treatment and prognosis of shock demonstrating empathy and care	3	3	3	3	3	3	1
<b>TOPIC</b>	<b>Blood and blood components</b>							
SU3.1	Describe the Indications and appropriate use of blood and blood products and complications of blood transfusion	3	3	3	3	3	3	3
SU3.2	Observe blood transfusions.	3	1	1	1	1	1	1
SU3.4	Counsel patients and family/ friends for blood transfusion and blood donation.	3	3	3	3	3	3	1
<b>TOPIC</b>	<b>Burns</b>							
SU4.1	Elicit document and present history in a case of Burns and perform physical examination. Describe Pathophysiology of Burns.	3	1	2	1	3	3	3
SU4.2	Describe Clinical features, Diagnose type and extent of burns and plan appropriate treatment.	3	3	3	3	3	3	3
SU4.3	Discuss the Medicolegal aspects in burn injuries.	3	3	3	3	3	2	1
SU4.4	Communicate and counsel patients and families on the outcome and rehabilitation demonstrating empathy and care.	3	3	3	3	3	3	1

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<b>TOPIC</b>	<b>Wound healing and wound care</b>							
SU5.1	Describe normal wound healing and factors affecting healing.	3	1	2	1	3	3	3
SU5.2	Elicit, document and present a history in a patient presenting with wounds.	3	2	3	2	3	1	2
SU5.3	Differentiate the various types of wounds, plan and observe management of wounds.	3	1	2	1	3	3	3
SU5.4	Discuss medico legal aspects of wounds	3	3	3	3	3	2	1
	<b>Surgical infection</b>							
SU6.1	Define and describe the aetiology and pathogenesis of surgical Infections	3	3	3	3	3	3	3
SU6.2	Enumerate Prophylactic and therapeutic antibiotics Plan appropriate management	3	1	1	2	3	3	3
<b>TOPIC</b>	<b>Surgical Audit and Research</b>							
SU7.1	Describe the Planning and conduct of Surgical audit	3	3	3	2	3	1	3
SU7.2	Describe the principles and steps of clinical research in General Surgery	3	2	2	2	3	1	3
<b>TOPIC</b>	<b>Ethics</b>							
SU8.1	Describe the principles of Ethics as it pertains to General Surgery	3	3	3	2	3	1	3
SU8.2	Demonstrate Professionalism and empathy to the patient undergoing General Surgery	3	1	3	2	3	1	1
SU8.3	Discuss Medico-legal issues in surgical practice	3	1	3	3	3	2	1
<b>TOPIC</b>	<b>Investigation of surgical patient</b>							
SU9.1	Choose appropriate biochemical, microbiological, pathological, imaging investigations and interpret the investigative data in a surgical patient	3	3	2	3	3	3	2
SU9.2	Biological basis for early detection of cancer and multidisciplinary approach in management of cancer	2	2	2	3	3	2	2

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SU9.3	Communicate the results of surgical investigations and counsel the patient appropriately	3	3	3	3	2	2	2
<b>TOPIC</b>	<b>Pre, intra and post- operative management.</b>							
SU10.1	Describe the principles of peri-operative management of common surgical procedures	3	3	2	3	2	3	2
SU10.2	Describe the steps and obtain informed consent in a simulated environment	3	3	2	3	2	2	1
SU10.3	Observe common surgical procedures and assist in minor surgical procedures; Observe emergency lifesaving surgical procedures.	3	2	2	3	3	3	2
SU10.4	Perform basic surgical Skills such as First aid including suturing and minor surgical procedures in simulated environment	3	3	2	3	3	2	2
<b>TOPIC</b>	<b>Anaesthesia and pain management</b>							
SU11.1	Describe principles of Preoperative assessment.	3	3	2	3	3	2	2
SU11.2	Enumerate the principles of general, regional, and local Anaesthesia.	2	2	1	2	2	2	1
SU11.3	Demonstrate maintenance of an airway in a mannequin or equivalent	3	3	3	3	3	2	2
SU11.4	Enumerate the indications and principles of day care General Surgery	3	3	2	2	2	2	1
SU11.5	Describe principles of providing post-operative pain relief and management of chronic pain.	2	2	2	3	3	3	2
SU11.6	Describe Principles of safe General Surgery	3	2	2	3	3	3	2
<b>TOPIC</b>	<b>Nutrition and fluid therapy</b>							
SU12.1	Enumerate the causes and consequences of malnutrition in the surgical patient	3	3	2	3	3	3	2
SU12.2	Describe and discuss the methods of estimation and replacement of the fluid and electrolyte requirements in the surgical patient	2	2	2	3	3	2	2

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SU12.3	Discuss the nutritional requirements of surgical patients, the methods of providing nutritional support and their complications	2	2	2	3	3	3	2
<b>TOPIC</b>	<b>Transplantation</b>							
SU13.1	Describe the immunological basis of organ transplantation	3	1	2	1	3	3	3
SU13.2	Discuss the Principles of immunosuppressive therapy. Enumerate Indications, describe surgical principles, management of organ transplantation	3	2	3	2	3	1	2
SU13.3	Discuss the legal and ethical issues concerning organ donation	3	1	2	1	3	3	3
SU13.4	Counsel patients and relatives on organ donation in a simulated environment	3	1	3	3	3	2	1
<b>TOPIC</b>	<b>Basic Surgical Skills</b>							
SU14.1	Describe Aseptic techniques, sterilization and disinfection.	3	1	2	1	3	3	3
SU14.2	Describe Surgical approaches, incisions and the use of appropriate instruments in Surgery in general.	3	1	2	1	3	3	3
SU14.3	Describe the materials and methods used for surgical wound closure and anastomosis (sutures, knots and needles)	3	3	3	1	3	3	3
SU14.4	Demonstrate the techniques of asepsis and suturing in a simulated environment	3	3	2	3	3	2	2
<b>TOPIC</b>	<b>Biohazard disposal</b>							
SU15.1	Describe classification of hospital waste and appropriate methods of disposal.	3	1	2	1	3	3	3
<b>TOPIC</b>	<b>Minimally invasive General Surgery</b>							
SU16.1	Describe indications advantages and disadvantages of Minimally invasive General Surgery	3	2	2	1	3	3	3
<b>TOPIC</b>	<b>Trauma</b>							
SU17.1	Describe the Principles of FIRST AID	3	3	3	2	3	1	3

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SU17.2	Demonstrate the steps in Basic Life Support. Transport of injured patient in a simulated environment	3	3	3	3	3	2	2
SU17.3	Describe the Principles in management of mass casualties	2	2	3	2	2	2	1
SU17.4	Describe Pathophysiology, mechanism of head injuries	3	3	3	3	3	2	2
SU17.5	Describe clinical features for neurological assessment and GCS in head injuries	3	3	2	2	2	2	1
SU17.6	Chose appropriate investigations and discuss the principles of management of head injuries	2	2	2	3	3	3	2
SU17.7	Describe the clinical features of soft tissue injuries. Chose appropriate investigations and discuss the principles of management.	3	2	2	3	3	3	2
SU17.8	Describe the pathophysiology of chest injuries.	3	1	2	1	3	3	3
SU17.9	Describe the clinical features and principles of management of chest injuries	3	2	3	2	3	1	2
SU17.10	Demonstrate Airway maintenance. Recognize and manage tension pneumothorax, hemothorax and flail chest in simulated environment.	3	2	2	1	3	3	3
<b>TOPIC</b>	<b>Skin and subcutaneous tissue</b>							
SU18.1	Describe the pathogenesis, clinical features and management of various cutaneous and subcutaneous infections.	3	2	2	1	3	3	3
SU18.2	Classify skin tumors Differentiate different skin tumors and discuss their management	3	2	3	2	3	1	2
SU18.3	Describe and demonstrate the clinical examination of surgical patient including swelling and order relevant investigation for diagnosis. Describe and discuss appropriate treatment plan.	3	1	2	1	3	3	3

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<b>TOPIC</b>	<b>Developmental anomalies of face, mouth and jaws</b>							
SU19.1	Describe the etiology and classification of cleft lip and palate	2	2	1	2	2	2	1
SU19.2	Describe the Principles of reconstruction of cleft lip and palate	3	3	3	3	3	2	2
<b>TOPIC</b>	<b>Oropharyngeal cancer</b>							
SU20.1	Describe etiopathogenesis of oral cancer symptoms and signs of oropharyngeal cancer	2	2	2	3	3	3	2
SU20.2	Enumerate the appropriate investigations and discuss the Principles of treatment.	2	2	1	2	2	2	1
<b>TOPIC</b>	<b>Disorders of salivary glands</b>							
SU21.1	Describe surgical anatomy of the salivary glands, pathology, and clinical presentation of disorders of salivary glands	2	2	1	2	2	2	1
SU21.2	Enumerate the appropriate investigations and describe the Principles of treatment of disorders of salivary glands	3	3	3	3	3	2	2
<b>TOPIC</b>	<b>Endocrine General Surgery: Thyroid and parathyroid</b>							
SU22.1	Describe the applied anatomy and physiology of thyroid	2	2	1	2	2	2	1
SU22.2	Describe the etiopathogenesis of thyroidal swellings	3	3	3	3	3	2	2
SU22.3	Demonstrate and document the correct clinical examination of thyroid swellings and discuss the differential diagnosis and their management	3	3	2	2	2	2	1
SU22.4	Describe the clinical features, classification and principles of management of thyroid cancer	2	2	2	3	3	3	2
SU22.5	Describe the applied anatomy of parathyroid	3	2	2	3	3	3	2

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SU22.6	Describe and discuss the clinical features of hypo - and hyperparathyroidism and the principles of their management	3	3	2	2	2	2	1
<b>TOPIC</b>	<b>Adrenal glands</b>							
SU23.1	Describe the applied anatomy of adrenal glands	3	1	1	3	2	1	2
SU23.2	Describe the etiology, clinical features and principles of management of disorders of adrenal gland	2	2	1	2	2	2	1
SU23.3	Describe the clinical features, principles of investigation and management of Adrenal tumors	3	3	3	3	3	2	2
<b>TOPIC</b>	<b>Pancreas</b>							
SU24.1	Describe the clinical features, principles of investigation, prognosis and management of pancreatitis.	3	3	3	2	3	1	3
SU24.2	Describe the clinical features, principles of investigation, prognosis and management of pancreatic endocrine tumors	3	1	3	2	3	1	1
SU24.3	Describe the principles of investigation and management of Pancreatic disorders including pancreatitis and endocrine tumors.	3	1	3	3	3	2	1
<b>TOPIC</b>	<b>Breast</b>							
SU25.1	Describe applied anatomy and appropriate investigations for breast disease	2	2	1	2	2	2	1
SU25.2	Describe the etiopathogenesis, clinical features and principles of management of benign breast disease including infections of the breast	3	3	3	3	3	2	2
SU25.3	Describe the etiopathogenesis, clinical features, Investigations and principles of treatment of benign and malignant tumors of breast.	3	3	2	2	2	2	1
SU25.4	Counsel the patient and obtain informed consent for treatment of malignant conditions of the breast	2	2	2	3	3	3	2

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SU25.5	Demonstrate the correct technique to palpate the breast for breast swelling in a mannequin or equivalent	2	2	1	2	2	2	1
<b>TOPIC</b>	<b>Cardio-thoracic General Surgery- Chest - Heart and Lungs</b>							
SU26.1	Outline the role of surgery in the management of coronary heart disease, valvular heart diseases and congenital heart diseases	3	1	2	1	3	3	3
SU26.2	Describe the clinical features of mediastinal diseases and the principles of management	3	2	3	2	3	1	2
SU26.3	Describe the etiology, pathogenesis, clinical features of tumors of lung and the principles of management	3	1	2	1	3	3	3
<b>TOPIC</b>	<b>Vascular diseases</b>							
SU27.1	Describe the etiopathogenesis, clinical features, investigations and principles of treatment of occlusive arterial disease	3	1	2	1	3	3	3
SU27.2	Demonstrate the correct examination of the vascular system and enumerate and describe the investigation of vascular disease	3	3	2	1	3	3	3
SU27.3	Describe clinical features, investigations and principles of management of vasospastic disorders	3	3	3	1	3	3	3
SU27.4	Describe the types of gangrene and principles of amputation	3	3	2	2	2	2	1
SU27.5	Describe the applied anatomy of venous system of lower limb	3	3	3	3	3	3	3
SU27.6	Describe pathophysiology, clinical features, Investigations and principles of management of DVT and Varicose veins	3	3	3	3	3	3	3





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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	3	2	3	2	3	1	2
SU28.11	Describe the applied anatomy of spleen. Describe the clinical features, investigations and principles of management of splenic injuries. Describe the post-splenectomy sepsis - prophylaxis	3	1	2	1	3	3	3
SU28.12	Describe the applied anatomy of biliary system. Describe the clinical features, investigations and principles of management of diseases of biliary system	3	1	3	3	3	2	1
SU28.13	Describe the applied anatomy of small and large intestine	3	2	3	2	3	1	2
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	3	1	2	1	3	3	3
SU28.15	Describe the clinical features, investigations and principles of management of diseases of Appendix including appendicitis and its complications.	3	1	3	3	3	2	1
SU28.16	Describe applied anatomy including congenital anomalies of the rectum and anal canal	2	2	1	2	2	2	1
SU28.17	Describe the clinical features, investigations and principles of management of common anorectal diseases	3	3	3	3	3	2	2
SU28.18	Describe and demonstrate clinical examination of abdomen. Order relevant investigations. Describe and discuss appropriate treatment plan	2	2	1	2	2	2	1
<b>TOPIC</b>	<b>Urinary System</b>							
SU29.1	Describe the causes, investigations and principles of management of Hematuria	3	1	2	1	3	3	3

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SU29.2	Describe the clinical features, investigations and principles of management of congenital anomalies of genitourinary system	2	2	1	2	2	2	1
SU29.3	Describe the Clinical features, Investigations and principles of management of urinary tract infections	3	3	3	3	3	2	2
SU29.4	Describe the clinical features, investigations and principles of management of hydronephrosis	3	3	2	2	2	2	1
SU29.5	Describe the clinical features, investigations and principles of management of renal calculi	2	2	2	3	3	3	2
SU29.6	Describe the clinical features, investigations and principles of management of renal tumours	3	2	2	3	3	3	2
SU29.7	Describe the principles of management of acute and chronic retention of urine	3	1	2	1	3	3	3
SU29.8	Describe the clinical features, investigations and principles of management of bladder cancer	3	2	3	2	3	1	2
SU29.9	Describe the clinical features, investigations and principles of management of disorders of prostate	3	1	2	1	3	3	3
SU29.10	Demonstrate a digital rectal examination of the prostate in a mannequin or equivalent	3	1	3	3	3	2	1
SU29.11	Describe clinical features, investigations and management of urethral strictures	3	1	2	1	3	3	3
<b>TOPIC</b>	<b>Penis, Testis and scrotum</b>							
SU30.1	Describe the clinical features, investigations and principles of management of phimosis, paraphimosis and carcinoma penis.	2	2	2	3	3	3	2
SU30.2	Describe the applied anatomy clinical features, investigations and principles of management of undescended testis.	3	2	2	3	3	3	2
SU30.3	Describe the applied anatomy clinical features, investigations and principles of management of epididymo-orchitis	3	1	2	1	3	3	3

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SU30.4	Describe the applied anatomy clinical features, investigations and principles of management of varicocele	3	3	3	3	3	3	3
SU30.5	Describe the applied anatomy, clinical features, investigations and principles of management of Hydrocele	3	1	1	1	1	1	1
SU30.6	Describe classification, clinical features, investigations and principles of management of tumours of testis	3	3	3	3	3	3	1