

| 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 |
|--|---|-------------------------------------|------------------------|---------------|---|---|---------------------------------------|-------------------------|---------------------------|
| 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 | |
| SU24.2 | 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 | | | |
| SU24.3 | Describe the principles of investigation and management of Pancreatic disorders including pancreatitis and endocrine tumors. | K | KH | Y | Lecture, Small group discussion, Demonstration | Written/ Viva voce/ Skill assessment | | | |
| 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 | |
| SU25.2 | 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 | | | |
| SU25.3 | Describe the etiopathogenesis, 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 | |
| SU25.4 | Counsel the patient and obtain informed consent for treatment of malignant conditions of the breast | A/ C | SH | Y | DOAP session | Skill assessment | | | |
| SU25.5 | Demonstrate the correct technique to palpate the breast for breast swelling in a mannequin or equivalent | S | SH | Y | DOAP session | Skill assessment | | | |
| Topic: Cardio-thoracic General Surgery- Chest - Heart and Lungs | | Number of competencies: (04) | | | Number of procedures that require certification: (NIL) | | | | |

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| 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 | | | |
| SU26.3 | Describe the clinical features of mediastinal diseases and the principles of management | K | K | Y | Lecture, Small group discussion | Written/ Viva voce | | | |
| 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 | | | |
| 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 | | | |
| SU27.2 | Demonstrate the correct examination of the vascular system and enumerate and describe the investigation of vascular disease | S | SH | Y | DOAP session | Skill assessment | | | |
| SU27.3 | Describe clinical features, investigations and principles of management of vasospastic disorders | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | |
| SU27.4 | Describe the types of gangrene and principles of amputation | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce/ Skill assessment | | | |
| SU27.5 | Describe the applied anatomy of venous system of lower limb | K | K | Y | Lecture, Small group discussion | Written/ Viva voce | | | |
| 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 | | | |
| SU27.7 | 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 | | | |
| SU27.8 | Demonstrate the correct examination of the lymphatic system | S | SH | Y | DOAP session, Bedside clinic | Skill assessment | | | |
| Topic: Abdomen | | Number of competencies: (18) | | | Number of procedures that require certification: (NIL) | | | | |

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| 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 | | | |
| SU28.2 | 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 | | | |
| SU28.3 | Describe causes, clinical features, complications and principles of mangament of peritonitis | K | K | Y | Lecture, Small group discussion, Bedside clinic | Written/ Viva voce | | | |
| 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 | | | |
| SU28.5 | Describe the applied Anatomy and physiology of esophagus | K | K | Y | Lecture, Small group discussion, Demonstration | Written/ Viva voce | | Human Anatomy, Physiology | |
| 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 | | | |
| SU28.7 | Describe the applied anatomy and physiology of stomach | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | Human Anatomy | |
| 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 | | | |
| SU28.9 | Demonstrate the correct technique of examination of a patient with disorders of the stomach | S | SH | Y | DOAP session, Bedside clinic | Skill assessment | | | |
| SU28.10 | Describe the applied anatomy of liver. Describe the clinical features, Investigations and principles of management of liver abscess, hydatid disease. iniuries and tumors of the liver | K | KH | Y | Lecture, Small group discussion, Demonstration | Written/ Viva voce | | Human Anatomy | |
| 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 - | K | KH | Y | Lecture, Small group discussion, Demonstration | Written/ Viva voce | | Human Anatomy | |

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| SU28.12 | Describe the applied anatomy of biliary system. Describe the clinical features, investigations and principles of management of diseases of biliary system | K | KH | Y | Lecture, Small group discussion, Demonstration | Written/ Viva voce | | Human Anatomy | |
| SU28.13 | Describe the applied anatomy of small and large intestine | K | KH | Y | Lecture, Small group discussion, Demonstration | Written/ Viva voce | | Human Anatomy | |
| SU28.14 | 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 | | | |
| SU28.15 | 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 | | | |
| SU28.16 | 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 | |
| SU28.17 | 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 | | | |
| SU28.18 | 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 | | | |

Topic: Urinary System

Number of competencies: (11)

Number of procedures that require certification: (NIL)

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| SU29.1 | Describe the causes, investigations and principles of management of Hematuria | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | |
| 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 | |

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| 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 | |
| SU29.4 | Describe the clinical features, investigations and principles of management of hydronephrosis | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | |
| SU29.5 | Describe the clinical features, investigations and principles of management of renal calculi | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | |
| SU29.6 | Describe the clinical features, investigations and principles of management of renal tumours | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | |
| SU29.7 | Describe the principles of management of acute and chronic retention of urine | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | |
| SU29.8 | Describe the clinical features, investigations and principles of management of bladder cancer | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | |
| SU29.9 | 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 | | | |
| SU29.10 | Demonstrate a digital rectal examination of the prostate in a mannequin or equivalent | S | SH | Y | DOAP session | Skill assessment | | | |
| SU29.11 | Describe clinical features, investigations and management of urethral strictures | K | KH | Y | Lecture, Small group discussion, Demonstration | Written/ Viva voce/ Skill assessment | | | |
| 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 | | | |
| SU30.2 | 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 | |

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| 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 | |
| SU30.4 | 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 | |
| SU30.5 | 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 | |
| SU30.6 | 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 | | | |
| | Column C: K- Knowledge, S – Skill , A - Attitude / professionalism, C- Communication. Column D: K – Knows, KH - Knows How, SH - Shows how, P- performs independently, Column F: DOAP session – Demonstrate, Observe, Assess, Perform. Column H: If entry is P: indicate how many procedures must be done independently for certification/ graduation | | | | | | | | |
| Integration | | | | | | | | | |
| Human Anatomy | | | | | | | | | |
| AN6.3 | Explain the concept of lymphoedema and spread of tumors via lymphatics and venous system | K | KH | N | Lecture | Written | | General Surgery | |
| AN9.2 | Breast-Describe the location, extent, deep relations, structure, age changes, blood supply, lymphatic drainage, microanatomy and applied anatomy of breast | K | KH | Y | Practical, Lecture | Written/ Viva voce | | General Surgery | |
| AN10.4 | Describe the anatomical groups of axillary lymph nodes and specify their areas of drainage | K | KH | Y | Practical, Lecture | Written/ Viva voce | | General Surgery | |
| AN10.6 | Explain the anatomical basis of clinical features of Erb's palsy and Klumpke's paralysis | K | KH | N | Lecture | Written | | General Surgery | |

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| AN10.7 | Explain anatomical basis of enlarged axillary lymph nodes | K | KH | N | Lecture | Written | | General Surgery | |
| AN11.3 | Describe the anatomical basis of Venepuncture of cubital veins | K | KH | Y | Practical, Lecture | Written/ Viva voce | | General Surgery | |
| AN12.8 | Describe anatomical basis of Claw hand | K | KH | Y | Lecture | Written/ Viva voce | | General Surgery | |
| AN12.10 | Explain infection of fascial spaces of palm | K | KH | N | Lecture | Written | | General Surgery | |
| AN12.11 | Identify, describe and demonstrate important muscle groups of dorsal forearm with attachments, nerve supply and actions | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Written/ Viva voce/ Skill assessment | | General Surgery | |
| AN12.12 | Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of forearm | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Written/ Viva voce/ Skill assessment | | General Surgery | |
| AN12.13 | Describe the anatomical basis of Wrist drop | K | KH | Y | Lecture | Written/Viva voce | | General Surgery | |
| AN12.14 | Identify & describe compartments deep to extensor retinaculum | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Written/ Viva voce/ Skill assessment | | General Surgery | |
| AN15.3 | Describe and demonstrate boundaries, floor, roof and contents of femoral triangle | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Written/ Viva voce/ Skill assessment | | General Surgery | |
| AN15.4 | Explain anatomical basis of Psoas abscess & Femoral hernia | K | KH | N | Lecture, DOAP session | Written/ Viva voce | | General Surgery | |
| AN16.2 | Describe anatomical basis of sciatic nerve injury during gluteal intramuscular injections | K | KH | Y | Lecture, DOAP session | Written/ Viva voce | | General Surgery | |

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| AN16.3 | Explain the anatomical basis of Trendelenburg sign | K | KH | Y | Lecture, DOAP session | Written/ Viva voce | | General Surgery | |
| AN18.3 | Explain the anatomical basis of foot drop | K | KH | Y | Lecture, DOAP session | Written/ Viva voce | | General Surgery | |
| AN19.3 | Explain the concept of "Peripheral heart" | K | KH | Y | Lecture | Written/ Viva voce | | General Surgery | |
| AN20.4 | Explain anatomical basis of enlarged inguinal lymph nodes | K | KH | N | Lecture | Written/ Viva voce | | General Surgery | |
| AN20.5 | Explain anatomical basis of varicose veins and deep vein thrombosis | K | KH | Y | Lecture | Written/ Viva voce | | General Surgery | |
| AN20.9 | Identify & demonstrate palpation of vessels (femoral, popliteal, dorsalis pedis, post tibial), Mid inguinal point, Surface projection of: femoral nerve, Saphenous opening, Sciatic, tibial, common peroneal & deep peroneal nerve, great and small saphenous veins | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Viva voce/ Skill assessment | | General Medicine General Surgery | |
| AN23.1 | Describe & demonstrate the external appearance, relations, blood supply, nerve supply, lymphatic drainage and applied anatomy of oesophagus | K/S | SH | Y | Practical, Lecture, DOAP session | Written/ Viva voce/ Skill assessment | | General Surgery | |
| AN23.2 | Describe & demonstrate the extent, relations, tributaries of thoracic duct and enumerate its applied anatomy | K/S | SH | Y | Practical, Lecture, DOAP session | Written/ Viva voce/ Skill assessment | | General Surgery | |
| AN23.7 | Mention the extent, relations and applied anatomy of lymphatic duct | K | KH | Y | Lecture | Written/ Viva voce | | General Surgery | |
| AN27.1 | Describe the layers of scalp, its blood supply, its nerve supply and surgical importance | K | KH | Y | Practical, Lecture | Written/ Viva voce | | General Surgery | |
| AN28.8 | Explain surgical importance of deep facial vein | K | KH | Y | Lecture | Written | | General Surgery | |
| AN28.9 | Describe & demonstrate the parts, borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical importance | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Written/ Viva voce/ Skill assessment | | General Surgery | |

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| AN28.10 | Explain the anatomical basis of Frey's syndrome | K | KH | N | Lecture | Written | | General Surgery | |
| AN29.2 | Explain anatomical basis of Erb's & Klumpke's palsy | K | KH | Y | Lecture | Written | | General Surgery | |
| AN29.3 | Explain anatomical basis of wry neck | K | KH | N | Lecture | Written | | General Surgery | |
| AN30.1 | Describe the cranial fossae & identify related structures. | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Written/ Viva voce/Skill assessment | | General Surgery | |
| AN30.2 | Describe & identify major foramina with structures passing through them | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Written/ Viva voce/ Skill assessment | | General Surgery | |
| AN33.2 | Describe & demonstrate attachments, direction of fibres, nerve supply and actions of muscles of mastication | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Written/ Viva voce/ Skill assessment | | General Surgery | |
| AN33.4 | Explain the clinical significance of pterygoid venous plexus | K | KH | Y | Lecture | Written | | General Surgery | |
| AN33.5 | Describe the features of dislocation of temporomandibular joint | K | KH | N | Lecture | Written | | General Surgery | |
| AN34.1 | Describe & demonstrate the morphology, relations and nerve supply of submandibular salivary gland & submandibular ganglion | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Written/ Viva voce/ Skill assessment | | General Surgery | |
| AN34.2 | Describe the basis of formation of submandibular stones | K | KH | N | Lecture | Written | | General Surgery | |

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|--------|--|-----|----|---|--|--------------------------------------|--|-----------------|--|
| AN35.2 | Describe & demonstrate location, parts, borders, surfaces, relations & blood supply of thyroid gland | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Written/ Viva voce/ Skill assessment | | General Surgery | |
| AN35.5 | Describe & demonstrate extent, drainage & applied anatomy of cervical lymph nodes | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Written/ Viva voce/ Skill assessment | | General Surgery | |
| AN35.8 | Describe the anatomically relevant clinical features of Thyroid swellings | K | KH | N | Lecture | Written | | General Surgery | |
| AN35.9 | Describe the clinical features of compression of subclavian artery and lower trunk of brachial plexus by cervical rib | K | KH | N | Lecture | Written | | General Surgery | |
| AN43.5 | Demonstrate- 1) Testing of muscles of facial expression, extraocular muscles, muscles of mastication, 2) Palpation of carotid arteries, facial artery, superficial temporal artery, 3) Location of internal and external jugular veins, 4) Location of hyoid bone, thyroid cartilage and cricoid cartilage with their vertebral levels | K/S | SH | Y | Practical | Viva voce/ Skill assessment | | General Surgery | |
| AN43.6 | Demonstrate surface projection of Thyroid gland, Parotid gland and duct, Pterion, Common carotid artery, Internal jugular vein, Subclavian vein, External jugular vein, Facial artery in the face & Accessory nerve | K/S | SH | N | Practical | Viva voce/ Skill assessment | | General Surgery | |
| AN44.1 | Describe & demonstrate the Planes (transpyloric, transtuberular, subcostal, lateral vertical, linea alba, linea semilunaris), regions & Quadrants of abdomen | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Written/ Viva voce/ Skill assessment | | General Surgery | |
| AN44.4 | Describe & demonstrate extent, boundaries, contents of Inguinal canal including Hesselbach's triangle. | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Written/ Viva voce/ Skill assessment | | General Surgery | |
| AN44.5 | Explain the anatomical basis of inguinal hernia. | K | KH | Y | Lecture | Written/ Viva voce | | General Surgery | |

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| AN44.6 | Describe & demonstrate attachments of muscles of anterior abdominal wall | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Written/ Viva voce/ Skill assessment | | General Surgery | |
| AN44.7 | Enumerate common Abdominal incisions | K | KH | N | Lecture | Written | | General Surgery | |
| AN46.1 | Describe & demonstrate coverings, internal structure, side determination, blood supply, nerve supply, lymphatic drainage & descent of testis with its applied anatomy | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Written/ Viva voce/ Skill assessment | | General Surgery | |
| AN46.4 | Explain the anatomical basis of varicocele | K | KH | N | Lecture | Written | | General Surgery | |
| AN46.5 | Explain the anatomical basis of Phimosis & Circumcision | K | KH | N | Lecture | Written | | General Surgery | |
| AN47.1 | Describe & identify boundaries and recesses of Lesser & Greater sac | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Written/ Viva voce/ Skill assessment | | General Surgery | |
| AN47.2 | Name & identify various peritoneal folds & pouches with its explanation. | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Written/ Viva voce/ Skill assessment | | General Surgery | |
| AN47.3 | Explain anatomical basis of Ascites & Peritonitis | K | KH | N | Lecture | Written | | General Surgery | |
| AN47.4 | Explain anatomical basis of Subphrenic abscess | K | KH | N | Lecture | Written | | General Surgery | |
| AN47.5 | Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects) | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Written | | General Surgery | |

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| AN47.6 | Explain the anatomical basis of Splenic notch, accessory spleens, Kehr's sign, different types of vagotomy, liver biopsy (site of needle puncture), referred pain in cholecystitis, Obstructive jaundice, referred pain around umbilicus, radiating pain of kidney to groin & | K | KH | N | Lecture | Written | | General Surgery | |
| AN47.7 | Mention the clinical importance of Calot's triangle | K | KH | N | Lecture | Written | | General Surgery | |
| AN47.10 | Enumerate the sites of portosystemic anastomosis | K | KH | Y | Lecture | Written | | General Surgery | |
| AN47.11 | Explain the anatomic basis of hematemesis & caput medusae in portal hypertension | K | KH | Y | Lecture | Written/ Viva voce | | General Surgery | |
| AN47.14 | Describe the abnormal openings of thoracoabdominal diaphragm and diaphragmatic hernia | K | KH | N | Lecture | Written | | General Surgery | |
| AN48.5 | Explain the anatomical basis of suprapubic cystostomy, Urinary obstruction in benign prostatic hypertrophy, Retroverted uterus, Prolapse uterus, Internal and external haemorrhoids. Anal fistula. Vasectomy. Tubal | K | KH | N | Lecture | Written | | General Surgery | |
| AN48.6 | Describe neurological basis of automatic bladder | K | KH | N | Lecture | Written | | General Surgery | |
| AN48.7 | Mention the lobes involved in benign prostatic hypertrophy & prostatic cancer | K | KH | N | Lecture | Written | | General Surgery | |
| AN48.8 | Mention the structures palpable during vaginal & rectal examination | K | KH | N | Lecture | Written | | Obstetrics & Gynaecology General Surgery | |
| AN49.4 | Describe & demonstrate boundaries, content & applied anatomy of Ischiorectal fossa | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Written/ Viva voce/ Skill assessment | | General Surgery | |
| AN52.5 | Describe the development and congenital anomalies of diaphragm | K | KH | Y | Lecture | Written/ Viva voce | | General Surgery | |

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| AN52.6 | Describe the development and congenital anomalies of foregut, midgut & hindgut | K | KH | Y | Lecture | Written/ Viva voce | | General Surgery | |
| AN52.7 | Describe the development of urinary system | K | KH | Y | Lecture | Written/ Viva voce | | General Surgery | |
| AN53.1 | Identify & hold the bone in the anatomical position, describe the salient features, articulations & demonstrate the attachments of muscle groups | K/S | SH | Y | Lecture, DOAP session | Viva voce/ Skill assessment | | General Surgery, Obstetrics & Gynaecology | |
| AN55.1 | Demonstrate the surface marking of regions and planes of abdomen, superficial inguinal ring, deep inguinal ring, McBurney's point, Renal Angle & Murphy's point | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Viva voce/ Skill assessment | | General Surgery | |
| AN55.2 | Demonstrate the surface projections of: stomach, liver, fundus of gall bladder, spleen, duodenum, pancreas, ileocaecal junction, kidneys & root of mesentery | K/S | SH | Y | Practical, Lecture, Small group discussion, DOAP session | Viva voce/ Skill assessment | | General Surgery | |

Biochemistry

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| BI10.1 | Describe the cancer initiation promotion oncogenes & oncogene activation. | K | KH | Y | Lectures, Small group discussion | Written/ viva voce | | Obstetrics & Gynaecology, General Surgery, Pathology | |
| BI10.2 | Describe various biochemical tumor markers and the biochemical basis of cancer therapy. | K | KH | Y | Lectures, Small group discussion | Written/ viva voce | | Obstetrics & Gynaecology, General Surgery, Pathology | |
| BI10.3 | Describe the cellular and humoral components of the immune system & describe the types and structure of antibody | K | KH | Y | Lectures, Small group discussion | Written/ viva voce | | Obstetrics & Gynaecology, General Surgery, Pathology | |

Pathology

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| PA4.1 | Define and describe the general features of acute and chronic inflammation including stimuli, vascular and cellular events | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |
| PA4.2 | Enumerate and describe the mediators of acute inflammation | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |
| PA5.1 | Define and describe the process of repair and regeneration including wound healing and its types | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |
| PA6.3 | Define and describe shock, its pathogenesis and its stages | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |
| PA8.1 | Describe the diagnostic role of cytology and its application in clinical care | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |
| PA8.2 | Describe the basis of exfoliative cytology including the technique, stains used | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce/ Skill assessment | | General Surgery | |
| PA19.1 | Enumerate the causes and describe the differentiating features of lymphadenopathy | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |
| PA19.2 | Describe the pathogenesis and pathology of tuberculous lymphadenitis | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |
| PA19.4 | Describe and discuss the pathogenesis pathology and the differentiating features of Hodgkin's and non-Hodgkin's lymphoma | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |
| PA19.5 | Identify and describe the features of Hodgkin's lymphoma in a gross and microscopic specimen | S | SH | Y | DOAP session | Skill assessment | | General Surgery | |
| PA19.6 | Enumerate and differentiate the causes of splenomegaly | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Surgery, General | |
| PA22.4 | Enumerate blood components and describe their clinical uses | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Surgery, General | |
| PA24.4 | Describe and etiology and pathogenesis and pathologic features of carcinoma of the stomach | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |

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| PA24.5 | Describe and etiology and pathogenesis and pathologic features of Tuberculosis of the intestine | K | KH | N | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |
| PA24.6 | Describe and etiology and pathogenesis and pathologic and distinguishing features of inflammatory bowel disease | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |
| PA24.7 | Describe the etiology and pathogenesis and pathologic and distinguishing features of carcinoma of the colon | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |
| PA25.2 | Describe the pathophysiology and pathologic changes seen in hepatic failure and their clinical manifestations, complications and consequences | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Medicine, General Surgery | |
| PA25.4 | Describe the pathophysiology, pathology and progression of alcoholic liver disease including cirrhosis | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Medicine, General Surgery | |
| PA25.5 | Describe the etiology, pathogenesis and complications of portal hypertension | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Medicine, General Surgery | |
| PA28.10 | Describe the etiology, pathogenesis, pathology, laboratory findings, distinguishing features progression and complications of acute and chronic pyelonephritis and reflux nephropathy | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | Human Anatomy, General Surgery | |
| PA28.13 | Define, classify and describe the etiology, pathogenesis, pathology, laboratory urinary findings, distinguishing features, progression and complications of renal stone disease and obstructive uropathy | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |
| PA28.16 | Describe the etiology, genetics, pathogenesis, pathology, presenting features and progression of urothelial tumors | K | KH | N | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |
| PA29.1 | Classify testicular tumors and describe the pathogenesis, pathology, presenting and distinguishing features, diagnostic tests, progression and spread of testicular tumors | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |

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| PA29.2 | Describe the pathogenesis, pathology, presenting and distinguishing features, diagnostic tests, progression and spread of carcinoma of the penis | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |
| PA29.3 | Describe the pathogenesis, pathology, hormonal dependency, presenting and distinguishing features, urologic findings and diagnostic tests of benign prostatic hyperplasia | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |
| PA29.4 | Describe the pathogenesis, pathology, hormonal dependency, presenting and distinguishing features, diagnostic tests, progression and spread of carcinoma of the prostate | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |
| PA29.5 | Describe the etiology, pathogenesis, pathology and progression of prostatitis | K | KH | N | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |
| PA31.1 | Classify and describe the types, etiology, pathogenesis, pathology and hormonal dependency of benign breast disease | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | Human Anatomy, General Surgery | |
| PA31.2 | Classify and describe the epidemiology, pathogenesis, classification, morphology, prognostic factors, hormonal dependency, staging and spread of carcinoma of the breast | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | General Surgery | |