

## GENERAL SURGERY (PART – I)

1. Introduction and history of surgery
2. Basis of clinical surgery
3. Wounds
  - Physiology of wound healing
  - Types of wounds
  - Management of wounds
  - Scars
4. Surgical infections
  - Patho-physiology
  - Erysipelas, cellulitis, abscess, carbuncle
  - Tetanus
  - Gasgangrene
  - HIV
  - Tuberculosis
  - Actinomycosis
  - Mycetoma and candidiasis
  - Nosocomial infections
5. Skin-soft tissue lesions
  - Sebaceous cyst
  - Dermoid cyst
  - Haemangioma
  - Naevus
  - Malignant skin lesions
  - Parasitic cysts
  - Lipoma
  - Nerve sheath tumours
  - Soft tissue sarcoma
  - Differential diagnosis of swellings and ulcers of skin
  - Differential diagnosis of soft tissue swellings
6. Haemorrhage, shock and blood transfusion
  - Haemorrhage
    - Classification
    - Patho-physiology
    - Management
  - Shock
    - Classification and aetiology
    - Patho-physiology
- Clinical features
- Investigations
- Treatment
- Complications and treatment
- Septic shock
  - Patho-physiology
  - Clinical features
  - Diagnosis
  - Treatment
- Blood transfusion
  - Indications
  - Blood products
  - Types of transfusion
  - Complications of transfusion
7. Bleeding disorders in surgery
8. Fluid-electrolyte balance and acid base balance
  - Physiology of body water, transport and distribution
  - Water disturbance
  - Sodium and potassium disturbance
  - Acid-base balance
  - Acidosis and alkalosis
  - Metabolic response to trauma
  - Post operative fluid therapy
9. Burns and skin grafting
  - Patho-physiology of burns
  - Management
  - Complications
  - Electrical burns
  - Scalds
  - Chemical burns
  - Skin grafting-basic principles and types of grafts and flaps
10. Diseases of face, oral cavity and salivary glands
  - Cleft lip
  - Stomatitis and glossitis
  - Swellings of oral cavity
  - Carcinoma of mouth

- Epulis
  - Jaw tumours
  - Salivary glands-Infections and tumors
11. Diseases of the neck
    - Classification of swellings in the neck
    - Branchial cyst
    - Branchiogenic carcinoma
    - Potato tumour
    - Secondaries
  12. Thyroid
    - Anatomy and physiology
    - Goitre – classification
    - Simple goitre
    - Thyrotoxicosis
    - Thyroid neoplasms and autoimmune thyroiditis
    - Solitary nodule
    - Clinical examination and diagnosis of thyroid swellings
  13. Diseases of the parathyroids and adrenals
  14. Diseases of the Breast
    - Anatomy and physiology
    - Inflammations
    - Fibroadenoma
    - ANDI & Fibroadenosis
    - Carcinoma
    - DD of lump breast
  15. Diseases of the arteries
    - Trauma
    - Classification of occlusive arterial disease
    - Thrombosis and embolism
    - Investigations and management of chronic occlusive arterial disease
    - Atherosclerosis
    - Buerger's disease
    - Raynaud's disease
  - Gangrene, bed sores, frost bite
  - Aneurysm, AV fistula
  16. Diseases of the Veins
    - Physiology of venous drainage
    - Anatomy of veins of lower limb
    - Varicose veins
    - Venous ulcers
    - Venous thrombosis and pulmonary embolism
  17. Diseases of the Lymphatics and lymph nodes
    - Acute lymphangitis
    - TB lymphadenitis
    - Lymphoedema
    - Differential diagnosis of lymphnodal swellings
    - Lymphoma
  18. Diseases of the Hand
    - Hand infections
    - Differential diagnosis of swellings of hand
  19. Head injuries
    - Pathophysiology and classification
    - Primary management
    - Extra dural haemorrhage
  20. Diseases of the peripheral nerves
    - Injuries and management
    - Tumours
  21. Chest injuries
    - Classification
    - Management
  22. Radiotherapy
  23. Diseases of the oesophagus
    - Congenital diseases
    - Injuries
    - GORD and hiatus hernia
    - Neoplasms