

निजामती कर्मचारी अस्पताल

प्राविधिक सेवा, सर्जरी समूह, जनरल सर्जरी उपसमूह, रजिष्ट्रार पद, आठौं तहको परीक्षाको पाठ्यक्रम (करार तर्फ)

पूर्णाङ्क: १००

उत्तीर्णाङ्क: ४०

समय: ४५ मिनेट

बस्तुगत प्रश्नपत्र अंकभार २५०

1. Basic & Applied

1.1 Applied Surgical Anatomy

- 1.1.1 Required to have acknowledge of the structure and function of all system of the body (where applicable to common clinical conditions in surgery)
- 1.1.2 Knowledge of histology to understand the function to tissue and organs as well as growth, degeneration and repair
- 1.1.3 Embryological basis of common congenital anomalies

1.2 System

- 1.2.1 Nervous system
- 1.2.2 Respiratory system
- 1.2.3 Cardiovascular system
- 1.2.4 Digestive system
- 1.2.5 Endocrine system
- 1.2.6 Musculoskeletal system
- 1.2.7 General – e.g. Acid-base balance, fluid and electrolyte balance, nutrition, metabolic response to trauma and sepsis, etc.

2. Applied Physiology

3. Surgical Pathology

- 3.1 Knowledge of the surgical pathology and microbiology in the context of surgery including inflammation, infection, neoplasm, response on the tissues to injury, disturbance of growth, degeneration processes, repair and regulation
- 3.2 Immunology and Genetics
- 3.3 Neoplastic diseases
- 3.4 Gross and histopathology of common surgical conditions
- 3.5 Nervous system
- 3.6 Respiratory system
- 3.7 Cardiovascular system
- 3.8 Genito-urinary system
- 3.9 Gastrointestinal system
- 3.10 Muscleskeletal system

4. Critical Care

- 4.1 Basics of pathophysiology, approach and management of critical surgical situation e.g. Trauma, shock, sepsis, organfailure
 - 4.1.1 Clinical pictures
 - 4.1.2 Investigation
 - 4.1.3 Diagnosis confirmation
 - 4.1.4 Management–use of equipments
 - 4.1.5 **Monitoring**–complications
 - 4.1.6 Counseling – communication
 - 4.1.7 Follow-up

5. Recent advance

- 4.2 Research-inside country
- 4.3 Recent advance–international

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- 4.4 Not published research work
- 4.5 Future national vision
- 6. **Surgical Management**
 - 6.1 Principle of management of common general surgical conditions
 - 6.1.1 Clinical practice (History and examinations)
 - 6.1.2 Investigation
 - 6.1.3 Provisional Diagnosis and differentials
 - 6.1.4 Treatment-Conservative, operative, palliative
 - 6.1.5 Monitoring
 - 6.1.6 Follow-up–of the patients with general surgical condition of following systems
 - 6.1.6.1 Nervous system
 - 6.1.6.2 Respiratory system
 - 6.1.6.3 Cardiovascular system
 - 6.1.6.4 Gastrointestinal system
 - 6.1.6.5 Genitourinary system
 - 6.1.6.6 Endocrine and breast
 - 6.1.6.7 Musculo-skeletal system and soft tissue
 - 6.1.6.8 Trauma/Polytrauma
- 7. **Principles of Surgery**
 - 7.1 Knowledge of the General principle and practice of Surgery
 - 7.1.1 Imaging techniques/interventional Radiology
 - 7.1.2 Endoscopy/Laparoscopy
 - 7.1.3 Surgery at extremes of life
 - 7.1.4 Theatre techniques
 - 7.1.4.1 Aseptic techniques–sterilization
 - 7.1.4.2 Anesthesia in general, maintenance of homeostasis
 - 7.1.4.3 Basic techniques–suturing material dressing plaster
 - 7.1.4.4 Diathermy and electrosurgical devices
 - 7.1.4.5 Tourniquet
 - 7.1.5 Wound healing, dehiscence, scar, contractures
 - 7.1.6 Post operative complication and management
 - 7.1.7 Sepsis's surgery
 - 7.1.7.1 Acute and Chronic, inflammation
 - 7.1.7.2 Wound infection and septicemia
 - 7.1.7.3 TB, Leprosy, AIDS, Bacterial infection
 - 7.1.7.4 Antiseptic, Antibiotic policies
- 8. **OperationSurgery**
 - 8.1 **Nervous System**
 - 8.1.1 Exposure to extradural haematoma
 - 8.1.2 Skull traction
 - 8.1.3 Nerve repair and transplant
 - 8.1.4 Trauma–skull, strive
 - 8.2 **Respiratory System**
 - 8.2.1 F.B. in respiratory tract
 - 8.2.2 Tracheostomy, cricothyroidotomy

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- 8.2.3 Chest Drainage
- 8.2.4 Thoractomy
- 8.2.5 Chesttrauma (variety of injuries)
- 8.3 **Cardiovascular**
 - 8.3.1 Cardiac Tamponade
 - 8.3.2 Exposure to artery and vein,embolectomy
 - 8.3.3 Amputations
- 8.4 **Gastrointestinal System**
 - 8.4.1 All type of GI Surgery of all magnitude and types
 - 8.4.2 Different combination of operation
 - 8.4.3 Except-transplantation
- 8.5 **Genitourinary system**
 - 8.5.1 Suprapubic bladder drainage
 - 8.5.2 Cystoscopy
 - 8.5.3 Exposure of kidney, calculus, obstructive uropathy
 - 8.5.4 Perinephric abscess
 - 8.5.5 Scrotal/testicular operation
 - 8.5.6 Ectopic pregnancy/otherpelvicsurgery
- 8.6 **Endocrine and breast**
 - 8.6.1 Thyroid/parathyroid
 - 8.6.2 Breast surgery (noreconstruction)
- 8.7 **Musculoskeletal and soft tissue**
 - 8.7.1 Simple skeletal traction
 - 8.7.2 Compartmental syndrome
 - 8.7.3 Bone infection
- 8.8 **Plastic**
 - 8.8.1 Simple ceftlip repair
 - 8.8.2 Skin grafting /flaps
 - 8.8.3 Skin lesion
 - 8.8.4 Lymph node and biopsy
- 8.9 **Other**
 - 8.9.1 Venesection centralline
 - 8.9.2 Laryngoscope, E Tintubation
 - 8.9.3 FNAC /tru-cut needle biopsy
 - 8.9.4 Defibrillation

