

निजामती कर्मचारी अस्पताल

प्राविधिक सेवा, रेडियोलोजी समूह, रेडियो डाइग्नोसिस एण्ड इमेजीङ उपसमूह, रजिष्ट्रार पद, आठौं तहको परीक्षाको पाठ्यक्रम (करार तर्फ)

पुर्णाङ्क: १००

उत्तीर्णाङ्क: ४०

समय: ४५ मिनेट

बस्तुगत प्रश्नपत्र अंकभार २५०

1. **General Health Issues**
 - 1.1 Interaction of x-rays with metals
 - 1.2 X-ray tube
 - 1.3 Radiation protection
 - 1.4 Basic physics and advances in fluoroscopy/ imaging intensifier
 - 1.5 Basic physics and advances in CR/DR system
 - 1.6 Basic physics and advances in CT
 - 1.7 Basic physics and advances in MRI
 - 1.8 Basic physics and advances in USG
 - 1.9 Introduction to nuclear medicine
2. **Sectional and Imaging anatomy**
 - 2.1 Cross-sectional & imaging anatomy of brain
 - 2.2 Cross-sectional and imaging anatomy of chest
 - 2.3 Cross-sectional and imaging anatomy of Abdomen
 - 2.4 Anatomy of orbits and its bones
 - 2.5 Vascular anatomy of brain/head
 - 2.6 Vascular anatomy of abdominal aorta and its branches
 - 2.7 Vascular anatomy of upper and lower limbs
 - 2.8 Relevant Embryology
3. **Nervous system**
 - 3.1 Craniocerebral Trauma
 - 3.2 Imaging of non-traumatic SAH
 - 3.3 Imaging of non-traumatic ICH
 - 3.4 Imaging of stroke
 - 3.5 Cerebral ischemia
 - 3.6 Brain tumors and tumor like processes
 - 3.7 Extra-axial Tumors
 - 3.8 Imaging of sellar tumours
 - 3.9 Non-neoplastic and neoplastic spinal cord pathologies
4. **Head & Neck**
 - 4.1 Radiological imaging of diseases and conditions related to Ear, Nose, Throat
 - 4.2 Radiological imaging of diseases of thyroid, salivary gland and other soft tissue neck
5. **Paediatric imaging**
 - 5.1 Imaging of the kidneys and urinary tract in children
 - 5.2 Imaging of congenital CNS malformations
 - 5.3 Respiratory Distress
6. **Recent advances in radiology and imaging**
 - 6.1 Teleradiology, Radiology Information System & PACS
 - 6.2 Newer advances in CR/ DR system, Fluoroscopy and Mammogram
 - 6.3 Newer advances in CT and MRI

7. **CVS & Interventional**
 - 7.1 Radiological imaging of aortic and peripheral arterial diseases
 - 7.2 Radiologic approach to pulmonary thromboembolism
 - 7.3 Heart and pericardium
 - 7.4 Congenital and acquired heart disease
 - 7.5 Image guided radiological procedures and contrast media
8. **Musculoskeletal System**
 - 8.1 Skeletal trauma
 - 8.2 Radiological imaging of bone tumors
 - 8.3 Radiological imaging of large and small joints
 - 8.4 Haemopoietic bone disorder
 - 8.5 Osteomyelitis and septic arthritis
9. **Thoracic / respiratory system**
 - 9.1 Radiological imaging of Chest
 - 9.2 Chest trauma
10. **Gastrointestinal & hepatobiliary system**
 - 10.1 Imaging of non-neoplastic / neoplastic esophageal pathology
 - 10.2 Imaging of gastric pathology
 - 10.3 Liver neoplasms
 - 10.4 Inflammatory bowel disease
 - 10.5 Imaging and interventions in GI bleed
 - 10.6 Imaging of pancreatic neoplasm
11. **Genito-urinary system**
 - 11.1 Renovascular disease
 - 11.2 Genitourinary trauma
 - 11.3 Genito-urinary tumor
 - 11.4 Urinary bladder & Prostate imaging
12. **Breast and diagnostic ultrasound**
 - 12.1 Breast imaging
 - 12.2 Role of USG in IUGR
 - 12.3 Diagnostic ultrasound

