

SYLLABUS FOR THE POST OF JUNIOR RADIOGRAPHER,
IN NEW DELHI MUNICIPAL COUNCIL (NDMC)

1. Radiographic Physics & Imaging: X-ray production, Interaction of radiation with matter, radiographic films, intensifying screens, Imaging techniques (Conventional Radiography), Computed radiography (CR), and Digital radiography (DR).
2. Anatomy and Physiology: Detailed knowledge of Human Anatomy, including skeletal, respiratory, cardiovascular, and digestive systems as relevant to imaging.
3. General Pathology.
4. Radiological Procedures: Contrast studies, Positioning techniques, Special Radiographic Techniques & Procedures.
5. Radiation Protection, Standard and Regulations: Radiation Hazard, Radiation Physics, Principles of ALARA, Safety regulations, Shielding, Dosimetry and Regulatory bodies (c.g., AERB guidelines)
6. Equipments in Radiodiagnosis.
7. Mammography.
8. Ultrasonography and Doppler Imaging with Recent advances
9. CT Scan Fundamentals & Techniques with Recent advances
10. MRI Principle & Techniques with Recent advances
11. Interventional Radiology & Drugs used In Diagnostic Radiology
12. Quality Assurance and Quality Control In Diagnostic Radiology
13. Nuclear Medicine & Radiotherapy.
14. Basic Knowledge of Computer Science
15. Communication Skills and Personality Development
16. Foundation English
17. Community Health Care