

Syllabus of the competitive examination to be conducted through the Commission for appointment to the post of Specialist Medical Officers (Radiodiagnosis) under Bihar Health Services.

Name of Post	- Specialist Medical Officer (Radiodiagnosis)
Type of Examination	- Objective Type (Computer Based Test)
Time Duration	- 02:00 Hours
Number of Questions	- 100
Total Marks	- 400 Marks
Marks for Each Right Answer	- 04 Marks
Negative Marks for Each Wrong Answer	- 01 Mark

Question will be asked under following syllabus :

1. Anatomy

Gross and cross sectional anatomy of all the body systems.

2. Pathology

Gross morphology of pathological conditions of systemic diseases affecting all organ systems.

3. Radiology

This would cover imaging and interventions of diseases affecting all the body systems :

- a. Chest
- b. Cardiovascular system
- c. Musculoskeletal including soft tissue
- d. Gastrointestinal system
- e. Hepato-biliary-pancreatic system
- f. Urogenital (gentio-urinary) system
- g. CNS including head and neck
- h. Obstetrics and gynaecology
- i. ENT, eye, dental, breast
- j. Endocrine and metabolic system
- k. Clinically applied radionuclide imaging

4. Radiological Physics

- a. X-ray Generating Apparatus
- b. Fluoroscopy: Digital including flat panel units, fluoroscopy cum radiography units
- c. Digital radiography: Computed Radiography, Flat panel radiography
- d. Other equipments: Ultrasound including Doppler, CT, MRI and DSA
- e. Contrast Media (Iodinated, MR & Utrasound) -types, chemical composition, mechanism of action, dose schedule, route of administration, adverse reaction and their management.
- f. Nuclear Medicine: Equipments and isotopes in various organ systems and recent advances
- g. Recent advances in radiology and imaging
