

**DETAILED SYLLANBUS FOR THE POST OF RADIOGRAPHER GRADE II IN  
MEDICAL EDUCATION DEPARTMENT**

**(Cat. Nos. 347/2021, 462/2021, 49/2022)**

**(TOTAL MARKS 100)**

**Section A Radiodiagnosis (50 Marks)**

**Module 1 (10 Marks)**

General physics, Radiation physics with relevance to diagnostic radiology

**Module 2 (10 Marks)**

Anatomy, physiology, pathology with relevance to diagnostic radiology

**Module 3 (10 Marks)**

Radiography including dark room techniques

**Module 4 (10 Marks)**

Radiation protection and advanced aspects in diagnostic radiology

**Module 5 (10 Marks)**

Miscellaneous topics not covered in the above modules but of PRACTICAL importance including ethics, mandatory regulatory bodies guidelines, interpersonal & patient relationships, errors in radiology , reporting etc.

**SECTION B -Radiotherapy (Total 50 Marks)**

**Module 6 (10 Marks)**

Radiation/Medical physics relevant to the Radiotherapy including practical aspects

**Module 7 (10 Marks)**

Anatomy / Pathology relevant to the subject of Radiotherapy (including TNM staging, staging work up), cancer epidemiology, cancer registry

**Module 8 (10 Marks)**

Principles of radiotherapy, various radiotherapy techniques, principles of teletherapy and brachytherapy, radioisotopes

**Module 9 (10 Marks)**

Management of cancers of various sites, simulation radiation treatment planning, patient set up, treatment verification and treatment execution, radiation induced acute and late toxicities

**Module 10 (10 Marks)**

Advanced radiotherapy techniques, gaps in radiation treatment, ethical issues, patient counselling, interpersonal and patient relationships, Radiation protection relevant to Radiotherapy

**NOTE: - It may be noted that apart from the topics detailed above, questions from other topics prescribed for the educational qualification of the post may also appear in the question paper. There is no undertaking that all the topics above may be covered in the question paper.**