

QP CODE: 301018

Reg. No.....

Third Year B.Sc MRT Degree Regular/Supplementary Examinations

April 2026

Radio diagnosis II

Time: 3 Hours

Max Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays:

(3x10=30)

1. What is Enteroclysis (small bowel enema). Describe indications and preparation of patient. What is the contrast used. Briefly write about the procedure including Single contrast study and double contrast study. Also mention advantages and disadvantages.
2. What is Dual Energy CT (DECT) scan. Write down its principle. What are the various means of producing Dual energy. What are the clinical applications.
3. Mammographic image system.

Short notes:

(8x5=40)

4. Picture Archiving and Communication System (PACS).
5. Interventional Radiology suite.
6. Parotid sialography.
7. Doppler ultrasonography -Basic principle.
8. Radio isotopes used in clinical practice.
9. MR Sequences adopted in Carcinoma Uterine cervix.
10. Radiological anatomy of Paranasal sinuses.
11. CT imaging in liver mass.

Answer briefly:

(10x3=30)

12. Geometrical un sharpness in Macro radiography.
13. Define Nasion, Inion and Glabella.
14. Retrograde pyelography.
15. Difference between Photo emission and Thermionic emission.
16. Define Multi planar Reconstruction (MPR) in Multi slice CT.
17. Define bit, byte and word as used in computer terminology.
18. DEXA scan.
19. Radiography in Rheumatoid arthritis affecting hands.
20. Pleural effusion.
21. Magic angle artifact in MR.
