

QP CODE: 301018

Reg. No.....

Third Year B.Sc MRT Degree Supplementary Examinations

October 2025

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. Enumerate various radiological investigations of urinary system. Briefly discuss the radiological anatomy of male urinary system. Write briefly on the indications and procedure of MCU (Micturating Cystourethrography).
2. Discuss the physical principles of CT scan. Describe various generations of CT scan.
3. What are contrast media. What are the advantages and disadvantages of ionic and non-ionic iodinated contrast media. Briefly discuss MRI contrast media.

Short notes:

(8x5=40)

4. Bone scintigraphy.
5. Types of ultrasound transducers.
6. Digital subtraction angiography.
7. Tissue harmonic imaging.
8. Multidetector computed tomography.
9. PACS (Picture Archiving and Communication System)
10. Enumerate 4 MRI pulse sequences. Describe any one of them.
11. Myelogram.

Answer briefly:

(10x3=30)

12. Barium
13. Enteroclysis.
14. Standard views of mammography.
15. Magnets used in MRI.
16. Renal CT protocol.
17. Macroradiography.
18. Procedure of hysterosalpingogram.
19. Transvaginal ultrasonography
20. Radiological anatomy of large bowel.
21. Enumerate three radiological investigations for evaluation of small bowel
