

**Third Year B.Sc MRT Degree Regular/Supplementary Examinations**  
**April 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 female reproductive system. Briefly discuss the radiological anatomy of female reproductive system. Describe the indications, procedure and complications of HSG (hysterosalpingography).
2. Discuss the basic principles and functioning of digital radiography system.
3. Discuss the radiological anatomy of large bowel. Describe the various indications, preparation, procedure and complications of single contrast barium enema.

**Short notes:**

**(8x5=40)**

4. Enumerate three radiological investigations used for evaluating breast lesions and briefly describe any one of them.
5. HRCT Temporal bone.
6. CT artefacts
7. Gamma Camera.
8. Procedure of Intravenous urogram
9. Renal Scintigraphy
10. MR Urogram
11. Bronchopulmonary segment anatomy.

**Answer briefly:**

**(10x3=30)**

12. Retrograde urethrography.
13. Doppler effect.
14. MRI coils
15. Oral cholecystogram
16. Dacryocystography
17. Bolus tracking
18. Procedure of barium meal
19. CT angiogram
20. Contrast medium in MCU
21. Radiological anatomy of small bowel

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