

QP CODE: 301018

Reg. No.....

**Third Year B.Sc MRT Degree Regular/Supplementary Examinations
August 2021**

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 digestive system. Describe the indications and procedure of barium meal.
2. Describe the radiological anatomy of biliary system. Enumerate the radiological investigations used for evaluating biliary system. Describe in detail T-tube cholangiography.
3. Describe the structure of ultrasound transducer. Discuss briefly the physical principles of ultrasound and colour doppler. Briefly describe the clinical applications of colour Doppler ultrasound.

Short notes:

(8x5=40)

4. MR mammography
5. Barium swallow
6. MRCP (Magnetic Resonance Cholangiopancreatography)
7. Image intensifier.
8. MRI artefacts
9. Radiological anatomy of urinary tract in males
10. Indirect Digital radiography
11. MRI contrast agents

Answer briefly:

(10x3=30)

12. Triple phase CT study of liver.
13. Technetium 99m
14. Nephrogram
15. Diagnostic peripheral angiography
16. Parotid sialography.
17. Contrast media in hysterosalpingography
18. Larmor Frequency
19. CT enteroclysis
20. Indications and complications of micturating cysto urethrography
21. Effective half life
