

QP CODE: 301018

Reg. No.....

**Third Year B.Sc MRT Degree Supplementary Examinations
January 2020**

Radio diagnosis II

Time: 3 Hours

Max Marks: 100

- **Answer all Questions**
- **Draw diagrams wherever necessary**

Essays: (3x10=30)

1. What is intravenous urography (IVP). Describe preparation of the patient and procedure of intravenous urography in detail. Mention standard films taken indicating the timings.
2. What is X-ray mammography. Mention indication and contraindication. Describe preparation of patient, technique and standard projections of X-ray mammography in detail.
3. What is positron emission tomography and indications. Describe the basic physics and principles. Mention the radiopharmaceuticals used and care of the patient after PET scan.

Short notes: (8x5=40)

4. Fluoroscopy
5. Computed radiography.
6. Radiopharmaceuticals in nuclear medicine
7. Types of RF coils used in MR
8. Principles of colour Doppler imaging
9. Digital subtraction angiography
10. Detectors used in CT scan
11. Dacryocystography

Answer briefly: (10x3=30)

12. Diagram of axial CT image at body of lateral ventricle level.
13. Cystography.
14. Barium swallow.
15. Peripheral angiography
16. SPECT
17. MR contrast agents.
18. Doppler imaging.
19. MRCP.
20. Planning of Coronal CT pns.
21. CT pulmonary angiography
