

QP CODE: 301018

Reg. No.....

Third Year B.Sc MRT Degree Supplementary Examinations August 2018

Radio diagnosis II

Time: 3 Hours

Max Marks: 100

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

Essays:

(3x10=30)

1. What are isotopes. What are the principles of SPECT scan. Mention the common applications of radio nucleotide isotopes in diagnostic radiology.
2. Describe the basic principles and functioning of digital radiography system
3. Imagine that a patient is lying within MR gantry for brain imaging. Mention the various coils surrounding the patient and its functions.

Short notes:

(8x5=40)

4. CT protocol for kidneys
5. MRI contrast agents
6. Image intensifier
7. Mammography
8. Micturating cystourethrogram
9. Anatomy of broncho-pulmonary segments
10. Sialography
11. Trans cranial sonography

Answer briefly:

(10x3=30)

12. Radiological anatomy of small bowel
13. Preparation for barium enema
14. MRCP
15. Procedure of hysterosalpingogram
16. Dacryocystography
17. Macroradiography
18. CT enteroclysis
19. Basic principles of coronary angiography
20. Principles of ultrasound
21. Intravascular contrast agents
