

**QP CODE: 301018**

**Reg. No.....**

**Third Year B.Sc MRT Degree Examinations March 2018**

**RADIODIAGNOSIS II**

**Time: 3 Hours**

**Max Marks: 100**

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

**Essays:**

**(3x10=30)**

1. Define contrast media. Enumerate ionic and non ionic contrast agents used in various radiographic procedures, their advantages and disadvantages.
2. Describe applications, advantages, disadvantages and recent advances of PACS
3. Describe radiological anatomy of lungs and the imaging protocol of HRCT lung

**Short notes:**

**(8x5=40)**

4. T-tube cholangiogram
5. PET-CT
6. Dacryocystography
7. What is tissue harmonic imaging
8. Double contrast barium enema
9. Fluoroscopy
10. Radiological anatomy of urinary tract in a male
11. T<sub>1</sub> and T<sub>2</sub> weighted imaging in MRI

**Answer briefly:**

**(10x3=30)**

12. PC-PNDT Act
13. Nephrogram
14. What is the cause and remedy of zebra artifact in MRI
15. DMSA scan
16. Diffusion weighted MRI
17. TLD badge
18. Helical pitch
19. Ultrasound transducer
20. Flip angle
21. Breast tomosynthesis

\*\*\*\*\*