

QP CODE: 301018

Reg. No.....

Third Year B.Sc MRT Degree Supplementary Examinations August 2017

RADIODIAGNOSIS II

Time: 3 Hours

Max Marks: 100

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

Essays: **(3x10=30)**

1. What is ultrasound. Discuss in brief the construction of a phased array and a curved array scanner used in real time scanner.
2. Discuss briefly about anatomy of breast and the investigations used for evaluating breast lesions
3. Principles of PET and its role in imaging evaluation of neoplastic and non-neoplastic diseases

Short notes: **(8x5=40)**

4. Helical CT
5. Radiological anatomy of small bowel
6. Radiation protection steps taken in DSA room
7. CT angiography
8. MRCP
9. Film badge
10. Magnetic field hazards
11. CT protocol of triple phase study of liver

Answer briefly: **(10x3=30)**

12. T- tube cholangiography
13. Preparation for HSG
14. Myelography
15. Shimming in MRI
16. Indirect digital radiography
17. Procedure of intravenous urography
18. CT artefacts
19. Procedure of barium swallow
20. Micturating cystourethrogram
21. Radiological anatomy of biliary tree
