

[LN 1018]

OCTOBER 2018

Sub. Code: 1805

**M.Sc. RADIOLOGY AND IMAGING TECHNOLOGY EXAMS
FIRST YEAR
PAPER V – MODERN RADIOLOGICAL AND IMAGING EQUIPMENT**

Q.P. Code : 281805

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about MR enteroclysis and MR enterographic techniques, sequences and clinical uses.
2. Discuss principle, equipment, procedure and recent advances in pet imaging.

II. Write notes on:

(10 x 6 = 60)

1. Ct contrast reactions and its management.
2. MRI artifacts.
3. Basic principle of MRI.
4. Virtual bronchoscopy.
5. Explain MPR, MIP and MINIP.
6. Patient preparation and procedure and post processing techniques in pulmonary angiogram.
7. Discuss PACS system.
8. DSA-equipment, principle and applications.
9. Types of modern X ray tubes.
10. MR spectroscopy principle.
