

[LN 0818]

AUGUST 2018

Sub. Code: 1821

**B.Sc. RADIOLOGY IMAGING TECHNOLOGY
THIRD YEAR
PAPER I – EQUIPMENTS OF MODERN IMAGING MODALITIES**

Q.P. Code: 801821

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Describe principles and functions of PET-CT.
2. Describe and detail about myocardial perfusion study.
3. Explain in detail CT guided biopsy and about its post procedure care.

II. Write notes on:

(8 x 5 = 40)

1. CT Enteroclysis.
2. Dual source CT scan.
3. Cone Beam CT.
4. C-ARM application.
5. MRI artefacts.
6. CT and MR Myelogram technique.
7. PACS.
8. MR Elastography technique and application.

III. Short answers on:

(10 x 3 = 30)

1. Tele Radiology.
2. Low Dose CT.
3. GFR.
4. Properties of X rays.
5. Patient preparation for PET-CT.
6. Define Radioisotopes.
7. SPECT.
8. Inverse square law.
9. DEXA.
10. 3D CT TYPES.
