

[LK 0217]

FEBRUARY 2017

Sub.Code :2113

B.Sc. NUCLEAR MEDICINE TECHNOLOGY

SECOND YEAR

**PAPER III – NUCLEAR MEDICINE TECHNIQUES AND
SPECIAL PROCEDURES**

Q.P. Code: 802113

Time: Three Hours

Maximum: 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Indications, patient preparation and procedure of ¹³¹Iodine Meta Iodo Benzyl Guanidine scintigraphy.
2. Applications of tumor imaging.
3. What are the indications for myocardial perfusion scintigraphy? Explain the technique of stress myocardial perfusion scintigraphy.

II. Write Notes on:

(8 x 5 = 40)

1. Renal cortical scintigraphy.
2. Lung ventilation study.
3. Diuretic Reno gram.
4. Vesicoureteric reflux.
5. Infection imaging.
6. Filters in image processing.
7. Parathyroid scintigraphy.
8. Infarct avid Imaging.

III. Short Answers on:

(10 x 3 = 30)

1. Radioiodine whole body survey.
2. Principle of Radioimmunoassay.
3. Three phase bone scan.
4. Lymphoscintigraphy.
5. Methods of labelling RBC with Tc99m.
6. Blood volume estimation.
7. Isotopes in bone pain palliation.
8. Pyeloplasty.
9. Perchlorate discharge test.
10. Scintigraphy for localization of gastrointestinal bleed.
