

[LL 0817]

AUGUST 2017

Sub.Code :2102

B.Sc. NUCLEAR MEDICINE TECHNOLOGY
FIRST YEAR
PAPER II – IMAGE PROCESSING TECHNIQUES

Q.P. Code: 802102

Time: Three Hours

Maximum : 100 Marks

Answer All Questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain database package and software's used in nuclear medicine.
2. Explain the manual film processing.
3. Explain Image Noise and Resolution.

II. Write Notes on:

(8 x 5 = 40)

1. Image sharpness.
2. Characteristics film.
3. X ray film sensitivity.
4. Digital signal processing.
5. Characteristic screen of X ray film.
6. Safe storage of x ray films.
7. Laser film.
8. DVD.

III. Short Answers on:

(10 x 3 = 30)

1. Hard Disk.
2. Direct exposure films.
3. Gray scale.
4. Image filters.
5. Screen speed.
6. Dry processing.
7. Latent Image.
8. Optical Disk.
9. Fluorescence.
10. Segmentation of images.
