

[LK 0217]

FEBRUARY 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 manual film processing.
2. Explain the x ray film components and intensifying screen.
3. Explain the applications of computer in nuclear medicine.

II. Write Notes on:

(8 x 5 = 40)

1. Image Noise.
2. Characteristics of computer.
3. Database.
4. Digital signal processing.
5. Characteristic screen of X ray film.
6. Safe light.
7. Optical density.
8. Hard disk.

III. Short Answers on:

(10 x 3 = 30)

1. Hard Disk.
2. Software's used in nuclear medicine.
3. Gray scale.
4. High pass filter.
5. Automatic Exposure Control.
6. Dry processing.
7. Film speed.
8. Optical Disk.
9. Advantages of Glossy prints.
10. Laser Prints.
