

[LI 0216]

FEBRUARY 2016

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. Enumerate the computer uses in Nuclear Medicine.
2. Explain the importance of computer peripherals in Image presentation.
3. Explain different Image Analysis applications in Nuclear Medicine.

II. Write Notes on:

(8 x 5 = 40)

1. Color and Grey scale.
2. Word Processing.
3. PACS system.
4. Digitally Reconstructed (DR) Image.
5. Wet processing Image.
6. Different Image storage devices.
7. Use of Radioactive Markers.
8. IP Address.

III. Short Answers on:

(10 x 3 = 30)

1. Image storage in scan format.
2. Viewing Monitors.
3. Image Fusion.
4. CPU.
5. SPECT.
6. 2D Display.
7. Image zooming.
8. Key Board.
9. Image Quality.
10. Computer Peripherals.
