

[LG 0215]

FEBRUARY 2015

Sub Code: 1812

B.Sc. RADIOLOGY IMAGING TECHNOLOGY

SECOND YEAR

**Paper II – X-RAY FILM/IMAGE PROCESSING TECHNIQUES
(INCLUDING DARK ROOM TECHNIQUES)**

Q.P. Code: 801812

Time : Three Hours

Maximum : 100 Marks

Answer All questions.

I. Elaborate on :

(3 x 10 = 30)

1. What are the various types of films available? Explain in detail about double side coated X-ray film?
2. Define radiographic contrast? Discuss various that affect contrast?
3. What is an intensifying screening? Discuss in detail about construction and working of intensifying screen.

II. Write Notes on:

(8 x 5 = 40)

1. Artifacts in X-ray films.
2. Constituents of a developer.
3. Safe light.
4. Screen mottle.
5. Care of X-ray cassette.
6. Fluorescence.
7. Penumbra.
8. Characteristic curve.

III. Short Answers on:

(10 x 3 = 30)

1. Luminescence.
2. Laser camera.
3. Grid.
4. Curved cassette.
5. Latent image.
6. Processing faults.
7. X-ray phosphors.
8. Flexible cassette.
9. What is pH value?
10. Dichroic fog.
