

[LE 0212]

FEBRUARY 2014

Sub Code: 1812

**B.Sc. RADIOLOGY IMAGING TECHNOLOGY &
B.Sc. RADIO DIAGNOSIS 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. Explain in detail with appropriate diagrams, the construction of Intensifying Screens.
2. Describe various steps and methods of Manual Processing with illustrative diagram.
3. Draw the cross section of Single Sided Emulsion Film and explain.

II. Write notes on:

(8 X 5 = 40)

1. Non-screen Film
2. Base of X-Ray Film
3. Formation of Latent Image
4. Silver Recovery
5. Mammography Cassette
6. Film Artifacts
7. Rollers in Automatic Processor
8. Features of Ideal Cassette

III. Short answers on:

(10 X 3 = 30)

1. Function of Gelatin
2. Safe lights in Dark Room
3. Wetting Agents
4. Temperature in Developing
5. Ingredients of Fixer
6. Green Sensitive Film
7. Halation
8. Legends and Actinic Markings
9. Different sizes of Screen-Film Cassettes
10. Various speeds of Intensifying Screens.
