

[LP 0819]

AUGUST 2019

Sub. Code: 1832

B.Sc. RADIOLOGY IMAGING TECHNOLOGY

SECOND YEAR

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

Q.P. Code: 801832

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. What is an intensifying screening? Discuss in detail about construction and working of intensifying screen.
2. Draw the cross section of Single Sided Emulsion Film and explain.
3. Describe the constituents of fixer and developer. Explain the manual film developing.

II. Write notes on:

(8 x 5 = 40)

1. Replenisher.
2. Mammography cassette.
3. Film Artifacts.
4. Fog.
5. Luminescence.
6. Types of radiographic mottle.
7. Handling of exposed and unexposed films.
8. Developing agents.

III. Short answers on:

(10 x 3 = 30)

1. Curved cassette.
2. Latent image.
3. Crossover Effect.
4. Factors affecting focal spot size.
5. Intensification factor.
6. Cleaning of automatic Processor.
7. What is pH value?
8. Dichroic fog
9. Grid.
10. Safe light.
