

[LJ 0816]

AUGUST 2016

Sub. Code: 1404

DIPLOMA IN RADIOLOGY IMAGING TECHNOLOGY

FIRST YEAR

PAPER IV – X-RAY FILM/IMAGE PROCESSING TECHNIQUES

Q.P. Code : 841404

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Discuss in detail about X Ray Film Construction and Film Characteristics Curve.
2. Discuss in details about Automatic Film Processing.
3. Draw the cross section of Single Sided Emulsion Film and Explain.

II. Write notes on:

(10 x 5 = 50)

1. Rare Earth Screens.
2. Film Artifacts.
3. Uses of single coated X Ray Film.
4. Non- Screen film.
5. Formation of laser image.
6. Intensifying Screen.
7. Types of Cassettes.
8. How will you test for screen contact?
9. Day light printer.
10. Laser camera.

III. Short answers on:

(10 x 2 = 20)

1. Sodium thiosulphate.
2. Latent image.
3. Test for light leakage in Cassette.
4. Luminescence.
5. Film Storage of unexposed films.
6. Mammography film.
7. Cassette pass box.
8. Base Fog.
9. Processing Faults.
10. Halation.
