

[LF 0212]

AUGUST 2014

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. (a) What are the general defects noted in the Radiograph?
(b) Discuss in detail about its causes.
2. Define Intensifying screens – types and Its advantages.
3. Write in detail on X-ray Film Processing.

II. Write notes on:

(10 x 5 = 50)

1. Write notes on Dental Film
2. Discuss about Day Light Processing.
3. Define the Density / Contrast of the X-ray film.
4. Handling of X- ray Film in Loading & Unloading.
5. Describe about Image processing mechanism.
6. Write about Developer / Fixer chemicals
7. Describe in detail about Film structure.
8. What are the criteria for a good Radiograph?
9. Discuss about Safelight.
10. Define construction of Cassette and its types.

III. Write short answers on:

(10 x 2 = 20)

1. What is Fluorescence?
2. Note down the Different speed of Films.
3. Discuss about Film pass box.
4. What is Latent Image?
5. Define Dry bench.
6. What is Film base?
7. Note down the Temperature of Developer & Fixer tanks.
8. Describe about Master tank.
9. What is mean by sharpness of X-ray ?
10. What is Film Fog?
