

[LG 0215]

FEBRUARY 2015

Sub.Code :1903

**B.Sc. RADIOTHERAPY TECHNOLOGY
FIRST YEAR
PAPER III – RADIOGRAPHIC PHOTOGRAPHY**

Q.P. Code: 801903

Time: Three Hours

Maximum : 100 Marks

Answer All Questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain the structure of X-ray film. What are the advantages of two emulsion layers.
2. What are the constituents of manual processing developing solutions? Describe the functions and purpose of each.
3. Explain in detail contrast of the radiographic image and briefly explain the factors affecting the contrast.

II. Write Notes on:

(8 x 5 = 40)

1. Draw a Characteristic curve and explain.
2. Briefly describe the types of intensifying screens.
3. Intensifying screens.
4. What is law of reciprocity?
5. Explain the construction of a manual film processor.
6. Explain pH scale.
7. Explain Mottle in detail.
8. What is photo stimulated luminescence?

III. Short Answers on:

(10 x 3 = 30)

1. Storage of cassettes.
2. Hangers.
3. Method of cleaning screens.
4. The development time.
5. Automatic film processing.
6. Dark room.
7. Explain actinic markers.
8. Laser imaging.
9. Identification of Dental films.
10. Video imaging.
