

[LK 0217]

FEBRUARY 2017

Sub. Code: 1812

**B.Sc. RADIOLOGY IMAGING TECHNOLOGY/
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. Discuss in detail about automatic film processing.
2. Describe in detail about the characteristic curve.
3. Discuss in detail about doubled coated X-ray film structure.

II. Write notes on: **(8 x 5 = 40)**

1. Mammography cassette.
2. Film Artifacts.
3. Film screen contact text.
4. Rare earth screens.
5. Fluorescence.
6. Safe light.
7. Screen mottle.
8. Dark room.

III. Short answers on: **(10 x 3 = 30)**

1. Emulsion.
2. Various speeds of intensifying screens.
3. Temperature in Developing.
4. Luminescence.
5. Latent image.
6. Sodium Thiosulphate.
7. Film storage of unexposed films.
8. Laser Camera.
9. Green sensitive film.
10. Processing faults.
