

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)**

**B.Sc. (RADIOGRAPHY) DEGREE EXAMINATION - February 2020
Second Year**

RADIOGRAPHIC PHOTOGRAPHY AND IMAGE PROCESSING

Time: Three hours

Maximum: 75 marks

I. Write an essay on any ONE of the following: (1 x 20 = 20)

1. Mention the different types of radiographic films and describe the structure of an x-ray film with suitable diagram.
2. Explain in detail the planning and construction of an ideal darkroom.

II. Write short essays on any TWO of the following: (2 x 10 = 20)

3. Image Resolution.
4. Chemical replenishment and recirculation.
5. Mammogram cassette.
6. Laser camera.

III. Write short answers on any SEVEN of the following: (7 x 5 = 35)

7. Electrostatic fog.
8. Phosphor layer in intensifying screen.
9. Film entry system in automatic processor.
10. Mammogram film.
11. Uses of characteristic curve.
12. Monochromatic film.
13. Developing agents.
14. Double emulsion films.
15. Ideal darkroom entrance types.
16. Image duplication.