

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

**DIPLOMA IN RADIOLOGY AND IMAGING TECHNOLOGY
EXAMINATION – February 2020
Second Year**

**QUALITY CONTROL IN RADIOLOGY AND RADIATION
SAFETY**

Time: Three hours

Maximum: 75 marks

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

1. Discuss in detail the evaluation of workload versus radiation factors.
2. Explain in detail biological effects of radiation.

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

3. TDS concept.
4. Personnel and area monitoring
5. AERB recommendation.
6. Radiation protection survey.

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

7. Free radicals.
8. Care of X-ray instruments.
9. Dark rooms.
10. X-ray technician roles & responsibilities.
11. Lead apron.
12. Radiation dose.
13. NABH in X-ray room.
14. Patient safety
15. X-ray types.
16. Anode and Cathode.
