

VINAYAKA MISSIONS RESEARCH FOUNDATION, SALEM

M.SC.(RADIOLOGY AND IMAGING TECHNOLOGY)

DEGREE EXAMINATION – February 2020

Second Year

**QUALITY ASSURANCE AND QUALITY CONTROL IN DIAGNOSTIC
RADIOLOGY AND IMAGING**

Time: Three hours

Maximum: 100 marks

Answer **ALL** questions

I. Write an Long essay on the following :

(2 x 20 = 40)

1. Quality assurance of Fluroscopy equipment.
2. Write a note on Grid alignment test and x-ray output and beam quality check.

II. Write short notes on following :

(10 x 6 = 60)

3. Wire mesh test.
4. Characteristic curve.
5. Maintenance of mammogram equipment.
6. Film storage.
7. X-ray film artifacts due to manual processing.
8. Difference between quality assurance and quality control.
9. RF safety.
10. Ultrasound artifacts and remedy.
11. MRI room specifications.
12. Care and cleaning of automatic film processor.
