

**VINAYAKA MISSIONS RESEARCH FOUNDATION, SALEM**

**M.SC.(RADIOLOGY AND IMAGING TECHNOLOGY)**

**DEGREE EXAMINATION – August 2019**

**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 maamogram
2. Explain about cross calibration of ion chamber

**II. Write short notes on following :**

**(10 x 6 = 60)**

3. Timer linearity
4. Light beam alignment test
5. kV linearity
6. Principle of image reconstruction
7. PACS
8. Contrast and resolution test
9. Output measurement procedures
- 10.X-machine installation procedure

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