

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0921]

**SEPTEMBER 2021
(MAY 2021 EXAM SESSION)**

Sub. Code: 1812

**M.Sc. RADIOLOGY AND IMAGING TECHNOLOGY
SECOND YEAR (From 2017-2018 onwards)
PAPER II – QUALITY ASSURANCE AND QUALITY CONTROL IN
DIAGNOSTIC RADIOLOGY AND IMAGING
*Q.P. Code : 281812***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Describe the quality control procedures and quality assurance in CT.
2. Write in detail about Quality Assurance and quality control in USG.

II. Write Short Notes on:

(10x6 = 60)

1. Record keeping and log book maintenance
2. Phantom measurements in USG.
3. Film latitude & Film contrast
4. LASER film printer calibration
5. Focal spot size and angle measurement
6. High and low contrast resolutions in radiography
7. Quality assurance of X ray generator and tube
8. Proper screen-film contact test
9. Field alignment test for fluoroscopic device
10. Maintenance of Cassette & Screen
