

[LN 0818]

AUGUST 2018

Sub. Code: 1824

**B.Sc. RADIOLOGY IMAGING TECHNOLOGY
THIRD YEAR
PAPER IV – QUALITY CONTROL IN RADIOLOGY**

Q.P. Code: 801824

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Describe in detail periodic QA schedule for Radiology Department.
2. Explain in detail about quality and assurance in CT Fluoroscopy.
3. Explain quality assurance tests for 500-1000 MA X-ray unit.

II. Write notes on:

(8 x 5 = 40)

1. Mobile X - ray.
2. CT Dose index.
3. C-Arm.
4. AERB.
5. RSO.
6. Mammogram Quality control.
7. Digital Radiography QA.
8. Linear Attenuation Coefficient.

III. Short answers on:

(10 x 3 = 30)

1. Secondary Radiation.
2. X-ray room doors guidelines.
3. Spatial Resolution.
4. CT guided Biopsy radiation safety.
5. CT Gantry.
6. CT Console lead glass safety.
7. Tube housing leakage.
8. MA and KVP Dose limit for CT Abdomen.
9. CT Angiography radiation dose.
10. Radiation Protection barriers for EYES.
