

[LN 1018]

OCTOBER 2018

Sub. Code: 1804

**M.Sc. RADIOLOGY AND IMAGING TECHNOLOGY EXAMS
FIRST YEAR
PAPER IV – RADIATION SAFETY AND PROTECTION**

Q.P. Code : 281804

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Planning of X-ray room.
2. Personnel monitoring devices.

II. Write notes on:

(10 x 6 = 60)

1. Radiation units.
2. ALARA.
3. Biological effects of radiation.
4. AERB.
5. Quality assurance.
6. Radiation exposure control.
7. Protection in paediatric imaging.
8. Pregnancy NAD radiation.
9. RSO.
10. Radiation emergency.
