

[LO 0519]

MAY 2019

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. Quality assurance.
2. Biological effects of radiation and prevention.

II. Write notes on:

(10 x 6 = 60)

1. MRI safety measures and safety zone.
2. ALARA.
3. Dosimeter.
4. AERB.
5. Radiation protection devices.
6. Protection in paediatric imaging.
7. TLD.
8. Pregnancy and radiation.
9. Responsibilities of RSO.
10. Radiation units and maximal permissible doses.
