

[LN 0818]

AUGUST 2018

Sub. Code: 1823

**B.Sc. RADIOLOGY IMAGING TECHNOLOGY**

**THIRD YEAR**

**PAPER III – RADIOBIOLOGY AND RADIATION SAFETY**

*Q.P. Code: 801823*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:** **(3 x 10 = 30)**

1. Describe in detail ELORA principles and Guidelines.
2. Explain various methods of quality assurance and control in CT.
3. Explain in detail planning of nuclear medicine department.

**II. Write notes on:** **(8 x 5 = 40)**

1. Deterministic effects.
2. RSO.
3. AERB.
4. Pocket dosimeter.
5. Roentgen.
6. Milli sieverts.
7. CT fluoroscopy.
8. MR Room Requirements.

**III. Short answers on:** **(10 x 3 = 30)**

1. Filtered back projection.
2. Radiation survey meter.
3. K space.
4. Leakage radiation.
5. Scattered Radiation.
6. Ten Day Rule.
7. Gamma ray.
8. Electromagnetic spectrum.
9. Radiation shielding.
10. Lead Apron thickness.

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