

[LP 1019]

OCTOBER 2019

Sub. Code: 1802

**M.Sc. RADIOLOGY AND IMAGING TECHNOLOGY EXAMS
FIRST YEAR
PAPER II – CONVENTIONAL RADIOLOGICAL AND IMAGING
EQUIPMENT**

Q.P. Code : 281802

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Generation of X-ray tubes.
2. Mobile X-ray unit.

II. Write notes on:

(10 x 6 = 60)

1. 3 phase rectifier circuit.
2. Space charge compensation.
3. Moving coil galvanometer.
4. Automatic exposure control.
5. Dental X-ray unit.
6. Fluorescent material used in fluoroscopic screen.
7. Basic principle of cine fluoroscopy.
8. Measurement of focal spot of an X-ray tube.
9. High tension selector switch.
10. Grid controlled X-ray tube.
