

[LJ 1016]

OCTOBER 2016

Sub. Code: 4015

**M.Sc. MEDICAL PHYSICS EXAMS
FIRST YEAR
PAPER V – RADIATION DETECTORS AND INSTRUMENTATION**

Q.P. Code : 284015

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain Personal Monitoring Devices. Explain the working of Former Dosimeter.
2. Explain the Optically Stimulated Luminescent Dosimeter (OSLD) and chemical Dosimeter.

II. Write notes on:

(10 x 6 = 60)

1. JFET and its dosimetry usage.
2. Liquid Scintillation Detectors.
3. Survey Meter.
4. AC-DC Convertors.
5. Thermo Luminescent Dosimeter (TLD).
6. Gamma Ray Spectrometer.
7. Isotope Calibrator.
8. Radiation Field Analyser (RFA).
9. Film Dosimeter.
10. Radioimmunoassay (RIA).
