

[LM 0518]

MAY 2018

Sub. Code: 4032

**M.Sc. MEDICAL PHYSICS EXAMS  
SECOND YEAR  
PAPER II – CLINICAL RADIATION BIOLOGY**

*Q.P. Code: 284032*

**Time : Three hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Staging and management of cancer cervix.
2. Radiation carcinogenesis.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Ribosomes.
2. Function of mitochondria.
3. 5 R's of radiotherapy.
4. Shoulder effect.
5. Acute radiation sickness.
6. Target theory.
7. Chemical radio protectors.
8. Methods of heating (hyperthermia).
9. Benign and Malignant Tumors.
10. PLD SLD.

\*\*\*\*\*