

[LL 1017]

OCTOBER 2017

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. Types of DNA damage and path ways for repair.
2. Hyperthermia.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Structure of cell.
2. Phases of cell cycle.
3. Proton therapy.
4. Apoptosis.
5. Phases of intrauterine development.
6. Radio protective agents.
7. Management of carcinoma breast.
8. TDF.
9. Side effects of Radiation therapy.
10. TNM of Oropharyngeal cancers.

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