

[LN 1018]

OCTOBER 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. Stochastic and Deterministic effects of Radiation.
2. Staging and Management of Carcinoma Breast.

II. Write notes on:

(10 x 6 = 60)

1. Point Mutation.
2. Tissue tolerance dose.
3. Cell cycle.
4. High LET.
5. Developments of Intrauterine Applicators.
6. Shoulder Effect.
7. Bergonie-Tribondeau Law.
8. Reoxygenation.
9. LDR, MDR, HDR and PDR.
10. Structure of a Cell.
