

[LG 0215]

FEBRUARY 2015

Sub.Code :1913

**B.Sc. RADIOTHERAPY TECHNOLOGY  
SECOND YEAR  
PAPER III – RADIOTHERAPY THCHNIQUES**

*Q.P. Code: 801913*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Discuss various immobilization devices.
2. Elaborate on treatment techniques for carcinoma maxillary antrum.
3. Different brachytherapy methods and its uses.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Radiotherapy simulation for cranial radiation.
2. Barium swallow localization in carcinoma esophagus.
3. Radiotherapy in pituitary tumors.
4. Treatment setting for middle ear tumor.
5. Tumor localization by ultrasound.
6. Treatment techniques for pelvic tumors.
7. Use of wedges in external beam therapy.
8. Sealed radioactive sources.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Compensators.
2. Mammogram.
3. Name 3 techniques for treating carcinoma esophagus.
4. Describe field borders for treating carcinoma nasopharynx.
5. CT scan in tumor localization.
6. On board imaging.
7. Describe the eye shield.
8. Describe the steps in making a mould for a patient.
9. Monitory units.
10. Cobalt 60.

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