

**THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY**

**[MD 0723]**

**JULY 2023  
(MAY 2023 EXAM SESSION)**

**Sub. Code: 2037**

**M.D. DEGREE EXAMINATION  
BRANCH IX – RADIO THERAPY  
BRANCH XXVI - RADIATION ONCOLOGY**

**PAPER III – CLINICAL PRACTICE AND TECHNIQUE OF  
RADIOTHERAPY**

*Q.P. Code: 202037*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss the various indications of Radiotherapy for small cell lung cancer. Explain in detail about the Radiotherapy Techniques for Stage III Small Cell Lung Cancer (SCLC).
2. Discuss in detail about risk stratification of carcinoma prostate and the management of High risk prostate Adenocarcinoma.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Organ preservation.
2. Mucosal melanoma.
3. Palliative RT in bone metastases.
4. Diagnostic evaluation for nasopharyngeal carcinoma.
5. Involved field Radiotherapy (IFRT) for Hodgkin's Lymphoma.
6. Radiotherapy techniques for Pituitary adenoma.
7. Management of Hypercalcemia.
8. Targeted therapy for Metastatic renal cell carcinoma.
9. OAR dose constraints in whole breast irradiation.
10. Brachytherapy in Carcinoma Lip.

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