

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

[MD 0723]

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

**Sub. Code: 2038**

**M.D. DEGREE EXAMINATION  
BRANCH IX – RADIO THERAPY  
BRANCH XXVI - RADIATION ONCOLOGY  
PAPER IV – CANCER CHEMOTHERAPY AND RECENT DEVELOPMENTS  
IN CLINICAL ONCOLOGY AND RADIOTHERAPY**

*Q.P. Code: 202038*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss in detail regarding monoclonal antibodies in cancer management.
2. Discuss in detail about Stereotactic Ablative Body Radiation (SABR) and its clinical applications.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Hormonal therapy for prostate cancers.
2. Chemotherapy for Ewing's sarcoma.
3. Compare and contrast IMRT, VMRT and Proton therapy.
4. Systemic therapy for triple negative breast cancers.
5. Management of Febrile Neutropenia.
6. Surface Guided Radiotherapy (SGRT).
7. Proton therapy.
8. Total Skin Electron Therapy (TSET).
9. Short course Radiotherapy in rectal cancers.
10. Diagnostic work up for Lymphomas.

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