

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

**[DM 0222]**

**FEBRUARY 2022**

**Sub.Code :1303**

**D.M. – MEDICAL ONCOLOGY**

**Paper III – MEDICAL ONCOLOGY INCLUDING THERAPY,  
EPIDEMIOLOGY AND REHABILITATION**

*Q.P. Code: 161303*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:** **(2 x 15 = 30)**

1. Discuss tumor cell kinetics and its mechanism and discuss the action of chemotherapeutic agents based on it.
2. Discuss briefly flow cytometry and immune phenotype of chronic myeloid leukemia and treatment option.

**II. Write notes on:** **(10 x 7 = 70)**

1. I<sup>131</sup> therapy for thyroid cancer.
2. Meta analysis.
3. Information system in oncology.
4. Conformational therapy.
5. Fludarabine.
6. Genetic markers.
7. CNS prophylaxis in small cell lung cancer.
8. Dendritic cell vaccine.
9. Liposomal drug delivery.
10. Hereditary cancer syndrome related to ovary.

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