

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

[DM 0222]

FEBRUARY 2022

Sub.Code :1301

D.M. – MEDICAL ONCOLOGY

Paper I – BASIC SCIENCES

Q.P. Code: 161301

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss briefly the role of immune system in cancer development and discuss the approaches for cancer immunotherapy.
2. Discuss cytogenetics, immunophenotyping of acute leukemias and note on FAB classification of AML.

II. Write notes on:

(10 x 7 = 70)

1. Response criteria in evaluation of chemotherapy treatment.
2. Cell cycle.
3. Post transplantation lymphomas.
4. Comparative genomic hybridization.
5. Immuno toxins.
6. Prostate Specific Antigen.
7. Fundamental principles of Radiobiology.
8. Photodynamic therapy.
9. DNA repair mechanism.
10. Apoptosis.
