

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

[DM 0822]

AUGUST 2022

Sub. Code :1304

D.M. – MEDICAL ONCOLOGY

Paper IV – RECENT ADVANCES IN MEDICAL ONCOLOGY

Q.P. Code: 161304

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss about the role of HIV in the pathogenesis of Cancer. Discuss the cancers associated with HIV infection. Discuss in detail about the management of various lymphomas arising in a patient with HIV-AIDS.
2. Discuss about the rationale of combining check point inhibitor (CPI) and VEGF inhibitors in metastatic renal cell carcinoma. Discuss in detail about the various Check Point Inhibitors with VEGF inhibitor combinations and the evidence for the usage. Discuss about the 2nd line treatment of metastatic renal cell carcinoma.

II. Write notes on:

(10 x 7 = 70)

1. Blinatumomab – Describe the class of drug and discuss the various uses.
2. E-Cigarettes – Merits and Demerits.
3. Various types of intraperitoneal chemotherapy
4. Adverse events in CAR-T cell therapy.
5. Capmatinib – its target and evidence to use
6. Pharmacogenomics in Cancer Therapeutics
7. Antibody Drug conjugates used in Cancer therapeutics.
8. CRISPR – Cas9 (Clustered regularly interspaced short palindromic repeats).
9. Nanoparticle formulation of chemotherapeutic agents and its advantages.
10. Digital Droplet PCR.
