

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

[DM 0823]

AUGUST 2023

Sub. Code :1404

D.M. – CLINICAL HAEMATOLOGY

PAPER IV – RECENT ADVANCES IN HAEMATOLOGY

Q.P. Code: 161404

Time: Three Hours

Maximum: 100 Marks

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

1. Cancer associated thrombosis:
 - a) Role of platelets in pathogenesis
 - b) Diagnosis of the entity and
 - c) Prevention and its treatment with special note on role of oral Xa inhibitors.
2. Acute myeloid leukemia:
 - a) Risk stratification
 - b) Role of MRD evaluation and
 - c) Role of immunotherapy in management of relapsed and refractory disease.

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

1. Role of circulating tumour DNA in prognostication of lymphoma.
2. Immunosuppression in Antiphospholipid syndrome.
3. Thrombosis and bleeding complication in myeloproliferative neoplasms.
4. Newer diagnostic tools to assess iron status.
5. Minimal residual disease in stem cell transplantation outcomes.
6. Bypassing agents in haemophilia patients with inhibitors.
7. Gene therapy in treatment of Thalassemia.
8. Immunotherapy in management of multiple myeloma.
9. Delayed chemotherapy induced nausea and vomiting.
10. Intrachromosomal amplification of chromosome 21 in acute lymphoblastic leukemia.
