

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

[DM 0823]

AUGUST 2023

Sub. Code :1402

D.M. – CLINICAL HAEMATOLOGY

PAPER II – LABORATORY HAEMATOLOGY

Q.P. Code: 161402

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the approach to the diagnosis of lymphomas. Mention the molecular subtypes of diffuse large B cell lymphoma and their implications for treatment and prognosis.
2. Discuss the laboratory approach to the diagnosis of hereditary hemolytic anemias.

II. Write notes on:

(10 x 7 = 70)

1. Activated Partial Thromboplastin Time.
2. HbH preparation.
3. Assessment of red cell antibodies.
4. Laboratory diagnosis of Fanconi anaemia.
5. CD34 enumeration by flow cytometry.
6. Quantitative measurement of BCR-ABL transcripts.
7. Quality control for cell counters.
8. Factor 8 inhibitor assay.
9. Immunohistochemical staining.
10. Proficiency testing program and its significance for laboratory haematology.
