

(LP 065)

AUGUST 2019

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. Mention the structure and functions of platelets. Outline the laboratory evaluation of a patient with suspected platelet function disorder.
2. Discuss the Romanowsky – Giemsa effect and peripheral blood smear examination in health and disease.

II. Write notes on:

(10 x 7 = 70)

1. Donor specific antibody testing.
2. Laboratory monitoring of anticoagulants.
3. Thrombin generation tests.
4. Diagnosis of common inherited leukocyte disorders.
5. Coulter principles and Automated differential WBC count.
6. Role of PET CT in haematological malignancy.
7. Chimerism analysis post HSCT.
8. Laboratory evaluation of thrombophilia.
9. Haemoglobin variant analysis and interpretation of results.
10. Investigation and management of acute transfusion reactions.
