

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 laboratory diagnosis of acute promyelocytic leukemia and current prognostication strategy.
2. Describe the principles used in cell counters for enumerating different blood cells in any platform that you are familiar with.

II. Write notes on:

(10 x 7 = 70)

1. Romanowsky stains and the Romanowsky Giemsa effect.
2. Factor VIII inhibitor assay.
3. Anti-globulin test.
4. Assessment of abnormal hemoglobin.
5. Diagnosis of paroxysmal nocturnal hemoglobinuria.
6. Karyotyping and its role in the management of acute leukemias.
7. Quantitation of bcr-abl transcripts.
8. Internal quality control for plasma clotting times.
9. Common techniques to detect globin mutations.
10. Current diagnostic criteria for multiple myeloma.
