

The West Bengal University of Health Sciences
M.D. (Pathology) May - June, 2022 Examination

Paper: III

Full Marks : 100

Time: 3 Hours

Attempt all questions

1. Describe the etiology, pathogenesis and laboratory diagnosis of bleeding disorders. 3+3+4
2. Discuss etiology and diagnosis evaluation of myeloproliferative disorders. 5+5
3. Discuss prognostic significance of karyotyping in hematological malignancies. 10
4. Discuss molecular genetics of thalassemias with reference to phenotypic and genotypic correlation. 5+5
5. Write short notes on: 5+5
 - a) Complications of bone marrow transplantation.
 - b) Significance of blood indices in clinical hematology.
6. Describe in detail the standard protocol and requirement in establishing a modern blood centre. 10
7. Discuss briefly : 5+5
 - a) Plasmapheresis
 - b) Quality control and quality assurance in hematology
8. Write short notes on: 5+5
 - a) Preparation and uses of cell block.
 - b) CMML
9. Write short notes on: 5+5
 - a) CSF in CNS disorders.
 - b) LBC in cervical cytology
10. Write short notes on: 5+5
 - a) Detection of microalbuminuria and its significance.
 - b) Waste management in laboratory.