

**The West Bengal University of Health Sciences  
M.D. (Pathology) July-August, 2021 Examination**

Paper: III

Full Marks : 100

Time: 3 Hours

*Attempt all questions*

1. Classify the B cell lymphoproliferative neoplasms and describe the immunophenotyping of these neoplasms. 10
2. Write short notes on: 5+5
  - a) Von willebrand disease
  - b) Antiphospholipid antibody syndrome.
3. Describe your approach to pancytopenia. 10
4. Write short notes on: 5+5
  - a) Blood cross matching procedure.
  - b) Bence jones proteins.
5. Write short notes on: 5+5
  - a) JAK 2 mutation in hematological malignancies.
  - b) Diagnostic criteria of multiple myeloma.
6. Discuss the assessment of functional defects of platelets. 10
7. Common flaggings encountered in 5 part cell counter report. 10
8. Discuss the paris system of reporting urine cytology. 10
9. Describe the patho-physiology of disseminated intravascular coagulation. 10
10. Indication and reporting protocol of trephine biopsy of bone marrow. 10