

**The West Bengal University of Health Sciences**  
**D.M (Clinical Haematology) Examination, August-September 2021**

Paper : I

Full Marks :100  
Time : 3 hours

*Attempt all questions. All Questions carry 10marks each.*

1. Functional morphology of lymph node. 10
2. Role of Thrombin in Human coagulation pathway. 10
3. Development of Mast cell and its functions. 10
4. Briefly describe the Microarray technique and its use in haematology. 10
5. Inflammatory bone marrow microenvironment. 10
6. Discuss the Pathways of Apoptosis. Write down the differences between Necrosis and Apoptosis. 10
7. Describe briefly the different Hematopoietic Growth Factors. 10
8. Mesenchymal Stem cell. 10
9. Briefly describe the BCL2 receptors. 10
10. Physiological Changes in pregnancy focus on Hematological parameters. 10