

**The West Bengal University of Health Sciences**  
**D.M (Clinical Haematology) Examination, August 2022**

Paper : I

**Full Marks :100**  
**Time : 3 hours**

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

1. TAFI in Human coagulation pathway- Role and inhibitors. 10
2. Vitamin B12 metabolism in human body- role of folate. 10
3. Mechanisms of antibiotic resistance and how to tackle? 10
4. Inflammatory bone marrow microenvironment. 10
5. Pathways of Cell cycle and its inhibitors. 10
6. Describe briefly the development and function of Eosinophil. 10
7. Umbilical cord blood Stem cell- Properties and applications. 10
8. Iron homeostasis. 10
9. MDS Genomics: Prognostic implications. 10
10. Functional morphology of spleen. 10