

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

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

Attempt all questions

1. Write a note on the molecules synthesized by endothelial cells, which play a role in the regulation of thrombosis and fibrinolysis. 10
2. Explain the mechanism of muscle contraction. 10
3. Brief note on transport mechanisms across the membrane with examples. 10
4. Give an account of thiamine. 10
5. Write the procedure for synthesis of human monoclonal antibodies. 10
6. Describe the Metabolic changes in liver during fed condition. 10
7. Describe Dietary absorption of iron and its homeostasis. Add a note on iron containing proteins in the body. 10
8. Write short notes on: 5+5
 - a) Gene therapy
 - b) Paroxysmal nocturnal hemoglobinuria
9. Lens proteins. 10
10. Kwashiorkor & Marasmus compare and contrast. 10