

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

Paper: I

Full Marks: 100

Time: 3 Hours

Attempt all questions

1. Discuss the role of reperfusion injury in myocardial infarction. 10
2. Describe the pathogenesis of septic shock. 10
3. Write short note on: 5+5
 - a) FISH
 - b) Microarray
4. Briefly outline the role of macrophage in health and disease. Mention the role of macrophage in HIV infection. 10
5. Write short note on : 5+5
 - a) Down's syndrome
 - b) klinefelter's syndrome.
6. Write short note on: 5+5
 - a) Programmed cell death
 - b) Tobacco is a health hazard
7. Describe the process of healing of long bones after fractures. Enumerate the factors controlling the bone healing. 10
8. Discuss microsatellite instability and its significance in colorectal carcinoma. 10
9. Discuss the role of following viruses in carcinogenesis : a) HPV b) HIV. 5+5
10. Describe the pathogenesis of atheromatous plaque formation. 10