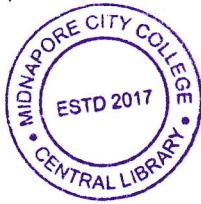


The West Bengal University of Health Sciences
M.Sc. MLT in Microbiology 1st Year August- September, 2022
Examination

Subject: Basic Medical Laboratory Sciences-II

Time: 3 hrs

Full Marks: 80



Attempt all questions

Group – A

1. What is isoenzyme? Briefly describe about the factors which influence enzyme activity. What is mutarotation? What is rancidity of fat? 2+4+2+2
2. Write short notes of the following : 2 x 5
 - a) Osazone Test.
 - b) Secondary Structure of Protein.

Group – B

3. Name source and types of blood used in medical laboratory for all tests. How do you collect blood for ESR, PT & aPTT tests? Name four anticoagulants and mention their uses during blood collection for different laboratory tests. What is Leishman stain? Draw and describe a target cell. 2+2+3+1+2
4. Answer the following questions : 2 x 5
 - a) Peripheral blood smear and its staining.
 - b) Haemoglobinopathy.

Group – C

5. State the contrasting features of Benign and Malignant tumor. Briefly discuss about the mechanism of invasion and metastasis. 5+5
6. Write short notes of the following : 2 x 5
 - a) Atherosclerosis.
 - b) Rheumatoid arthritis.

Group – D

7. Is the atopic dermatitis is a hypersensitivity reaction? If yes, then explain this type of hypersensitivity reaction. What is Hapten? 1+6+3
8. Write short notes of the following : 2 x 5
 - a) Cell mediated immunity.
 - b) Lupus erythromatous.