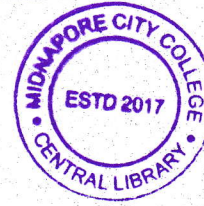


The West Bengal University of Health Sciences
M.Sc. MLT in Microbiology 1st Year September- October, 2023 Examination
Subject : Basic Medical Laboratory Sciences-II

Time: 3 hrs

Full Marks: 80



Attempt all questions

Group – A

1. What is isomerism? Discuss the α helical β - plated sheet structure of protein. What is heat shock protein?
2+6+2
2. Write short notes on the following : 2 x 5
 - a) Hypocaicamia.
 - b) Hyperkalaemia.

Group – B

3. What is the principle of estimation of hemoglobin by Cyanmethemoglobin method? What are the advantages and disadvantages of this method? Discuss about Drabkins solution. 2+4+4
4. Write short notes on : 2 x 5
 - a) Calculation & significance of erythrocyte indices.
 - b) Cleaning of laboratory glasswares in hematology laboratory.

Group – C

5. Classify oedema according to etiopathogenesis giving emphasis on mechanism of their formation. What are the differences between transudative & exudative types of oedema fluids. 6+4
6. Write short notes of the following : 2 x 5
 - a) Bacterial meningitis.
 - b) Healing of fracture of bone.

Group – D

7. Enumerate the different cells involved in immune response. Discuss the primary & secondary immune response. 4+6
8. Write short notes on : 2 x 5
 - a) Ouchterlony test.
 - b) IgG.