The West Bengal University of Health Sciences

.Sc. MLT in Biochemistry 1st Year September- October, 2023 Examination

Subject : Basic Medical Laboratory Sciences-II

me: 3 hrs **Full Marks: 80**

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*Attempt **all** questions*

Group – A

Describe the structure of bacterial cell wall. What is primary stain? What is Counter stain? 5+2½ +2 ½

Write short notes on the following : 2 x 5

a) Blood agar media. b) TCBS- media.

Group – B

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

Write short notes on : 2 x 5

a) Calculation & significance of erythrocyte indices.
b) Cleaning of laboratory glasswares in hematology laboratory.

Group – C

Classify oedema according to etiopathogensis giving emphasis on mechanism of their formation. What are the differences between transudative & exudative types of oedema fluids. 6+4

Write short notes of the following : 2 x 5

a) Bacterial meningitis. b) Healing of fracture of bone.

Group – D

Enumerate the different cells involved in immune response. Discuss the primary & secondary immune response. 4+6

Write short notes on : 2 x 5

a) Ouchterlony test.
b) IgG.