

**The West Bengal University of Health Sciences**  
**M.Sc. MLT in Biochemistry 1st Year January-February, 2023**  
**Examination**

**Subject : Basic Medical Laboratory Sciences-II**

**Time: 3 hrs**

**Full Marks: 80**



*Attempt all questions*

**Group – A**

1. Describe bacterial growth curve. What is mycotic infection? State the importance of catalase test in biochemical testing of bacteria. 5+2+3
2. Write short notes on the following : 2 x 5
  - a) AFB staining.
  - b) Enriched media.

**Group – B**

3. Discuss about the pathological diagnosis of cancer. Briefly discuss about the role of chemical carcinogen in the development of cancer. 6+
4. Write short notes on : 2 x 3
  - a) Buerger's disease.
  - b) Tests for abnormal chemical constituent of urine.

**Group – C**

5. Define auto-antigen in thyroid? Discuss the pathogenesis and diagnostic tests for myasthenia gravis. Write the function of 'Fab' region. 2+6+2
6. Write short notes of the following : 2 x 5
  - a) Vaccination.
  - b) Immunodeficiency disease.

**Group – D**

7. Name the corpuscles present in blood. Describe normoblast & reticulocyte. What is Thalassemia minor? What causes haemophilia? Write the full form of PTT? 3+2+2+2+
8. Write short notes of the following : 2 x 5
  - a) Platelet count.
  - b) ESR.