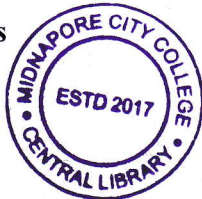


**The West Bengal University of Health Sciences**  
**M.Sc. MLT in Microbiology 1st Year January-February, 2023**  
**Examination**

Time: 3 hrs



Subject: Basic Medical Laboratory Sciences-II

Full Marks: 80

*Attempt all questions***Group – A**

1. What is enzyme inhibition? Classify it with example. What are the factors effecting the enzyme activity?  
 What is co-enzyme? 2+3+3+2
2. Write short notes of the following : 2 x 5
  - a) Isoelectric pH.
  - b) Breiberi.

**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
4. Answer the following questions : 2 x 5
  - 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+1
8. Write short notes of the following : 2 x 5
  - a) Platelet count.
  - b) ESR.