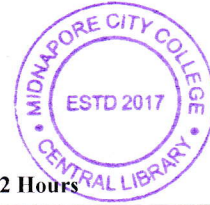


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M.Sc. Semester- IV Examination, 2026
MEDICAL LABORATORY TECHNOLOGY
PAPER: MLT 403C
(HAEMOGLOBINOPATHIES-II)



Full Marks: 40

Time: 2 Hours

The figures in the right-hand margin indicate full marks.
 Candidates are required to give their answers in their own words as far as practicable.

GROUP-AAnswer any **FOUR** questions:**2×4=8**

1. What is LAP score?
2. What do you mean by Immunophenotyping?
3. What is blast crisis?
4. Define thrombin time.
5. What is Bence Jones protein?
6. Name any two cell types that are involved in chronic lymphocytic leukaemia (CLL).

GROUP-BAnswer any **FOUR** questions:**4×4=16**

7. Discuss about different types of leukemoid reactions.
8. Mention the first line screening tests for Primary homeostasis with its clinical significance. 2+2
9. Differentiate plasmacytoma and multiple myeloma based on their symptoms
10. Discuss the pathophysiology of myelodysplastic syndrome.
11. What are slowly evolving and rapidly evolving DIC? 2+2
12. Write the inherited causes of haemophilia A and B. 2+2

GROUP-CAnswer any **TWO** questions:**8×2=16**

13. Define chronic lymphocytic leukaemia. Discuss the pathophysiology and laboratory findings of CLL. 2+3+3
14. What is thrombus? Discuss the pathogenesis of disseminated intravascular coagulation. Write the hereditary risk factors of thrombophilia. 1+4+3
15. Classify VWD along with the clinical features and laboratory diagnosis. 2+3+3
16. Classify thrombotic disorders. Write the clinical features of ITP. What is MGUS? 4+2+2

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