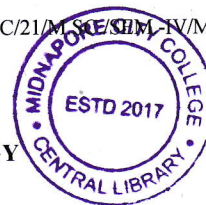


PG CBCS
M.Sc. Semester- IV Examination, 2023
MEDICAL LABORATORY TECHNOLOGY
PAPER: MLT 403C
(HAEMOGLOBINOPATHIES – II)



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-A

Answer any **FOUR** of the following questions: 4×2=8

1. Define 'absolute leukocyte count'.
2. What is MGUS?
3. What is the clinical significance of APTT and TT?
4. What is amyloidosis?
5. What is fibrinolysis?
6. Classify LPD.

GROUP-B

Answer any **FOUR** of the following questions: 4×4=16

7. What is the significance of clot retraction test?
8. Enumerate your idea about leukogram with its clinical significance.
9. Discuss VWD with its symptoms.
10. Write down the different types of thrombocytosis with appropriate causes.
11. Differentiate plasmacytoma and multiple myeloma based on their symptoms.
12. Discuss the clinical features of haemorrhagic disorders.

GROUP-C

Answer any **TWO** of the following questions: 2×8=16

13. Explain the regulatory mechanism of thrombosis and discuss the risk factors of thrombophilia. 4+4
14. Define chronic lymphocytic leukaemia.
Discuss the pathophysiology and laboratory findings of CLL. 2+3+3
15. Discuss the causes, inheritance and pathophysiology and laboratory findings of haemophilia. 4+2+2
16. Discuss the pathogenesis of intravascular co-agulation. What do you mean by qualitative platelet disorders? 5+3
