

QP Code: 101384

Reg. No.....

First Year M.Sc. MLT Degree Supplementary Examinations March 2024

(Pathology)

Paper I - Hematology

Time: 3 hrs.

Max. marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays:

(10x10=100)

1. Laboratory investigations in the diagnosis of sickle cell anaemia.
2. Describe normal hematopoiesis.
3. Discuss the laboratory investigations in a case of bleeding disorder.
4. Explain role of PCR in hematology.
5. Describe the different methods of blood collection.
6. Discuss the investigations useful in work up of hemolytic anemia.
7. Enumerate the indications of bone marrow aspiration. Mention the advantages of trephine biopsy over aspirate. Add a note on assessment of bone marrow iron status.
8. Classify myeloproliferative disorders. Enumerate the differences between chronic myeloid leukemia and leukemoid reaction.
9. Discuss the utility of peripheral smear examination in haematology. Write about the indication and method of preparation of thick smear.
10. Discuss about automation in hematology.
