

**QP Code: 101384**

**Reg. No.....**

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations  
April 2021  
(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. Give details of hemostasis and investigation profile in haemorrhagic disorders.
2. How is haemoglobin electrophoresis useful in establishing haematological disorders?
3. Enumerate various blood collection methods. Write in detail about various anticoagulants.
4. Describe the principle and different methods of ESR estimation with special reference to automated ESR.
5. Amniocentesis – principle, methods and applications.
6. Enumerate haemoparasites with a note on its laboratory diagnosis.
7. Classify haemolytic anaemia. Add a note on osmotic fragility test.
8. Name the Romanowsky type of stains and describe them in detail.
9. Quality control of haematology analysers.
10. Immunophenotyping in acute leukemias.

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