



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

M.Sc. Medical Laboratory Technology (Semester-III)

May 2023 Examination

[Max. Marks: 100]

Time: 3 Hrs.

CLINICAL HEMATOLOGY

Q.P Code: M3070

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 20 = 40 Marks

1. Define anemia, Classify haemolytic anemia. Write about lab investigation to establish a case of hemolytic anemia.
2. Define multiple myeloma, etiology, pathogenesis, clinical feature and laboratory diagnosis

SHORT ESSAY

6X 10 = 60 Marks

3. Describe the lab diagnosis of macrocytic anemia.
4. Discuss the special stains used in acute leukemia.
5. Describe the role of red cell indices in anemia
6. Explain briefly the stages of reticulocytosis and the staining method used
7. Describe the causes and lab diagnosis of polycythemia.
8. Enlist the indication for bone marrow biopsy and aspiration

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M.Sc. Medical Laboratory Technology (Semester-III)
May 2023 Examination

[Max. Marks: 100]

Time: 3 Hrs.

Blood Transfusion

Q.P Code: M3080

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 20 = 40 Marks

1. Enlist different transfusion reaction. Describe investigation done to transfusion reactions
2. Enumerate different blood donors. Discuss the method of blood collection and post donation care in detail

SHORT ESSAY

6X 10 = 60 Marks

3. Discuss about emergency cross matching.
4. Describe briefly Biosafety in blood bank
5. Describe about Quality control in blood bank
6. Describe Hemolytic disease of new born and exchange transfusion
7. Enumerate Blood grouping and Bombay blood group.
8. Discuss briefly Preparations, storage, life span and importance of FFP.

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