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**School of Medical and Allied Sciences**

B.Sc Medical Lab Technology  
Mid Term Examination - Nov 2023

Duration : 90 Minutes  
Max Marks : 50

**Sem III - L1UD305T - Blood Banking and Genetics**General Instructions

Answer to the specific question asked

Draw neat, labelled diagrams wherever necessary

Approved data hand books are allowed subject to verification by the Invigilator

- 1) Provide an example that illustrates the procedure for forward ABO grouping in a blood bank. K2 (2)
- 2) Recall the structure of DNA K1 (3)
- 3) Demonstrate the steps involved in performing hemopheresis K2 (4)
- 4) Summarize the complications and hazards associated with blood transfusion K2 (6)
- 5) Apply the knowledge of compatibility testing K3 (6)
- 6) Organize the concepts of heredity and continuity of life into a logical sequence, K3 (9)
- 7) Analyze the role of major blood group systems in blood transfusion K4 (8)
- 8) Categorize the various recent techniques used in blood banks K4 (12)

**OR**

Categorize the different anticoagulants used in blood collection for transfusion purposes K4 (12)