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**School of Medical and Allied Sciences**

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

Duration : 90 Minutes  
Max Marks : 50

**Sem I - L1PG103T - Applied Haematology**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 process of reticulocyte count . K2 (2)
- 2) Recall the techniques used for the estimation of red blood cells in a blood sample. K1 (3)
- 3) Demonstrate how to estimate red blood cells using a specific laboratory technique. K2 (4)
- 4) Summarize the purpose of a platelet count and explain how it is performed in a laboratory. K2 (6)
- 5) Apply the knowledge of different blood cell counts to interpret a complete blood count (CBC) report. K3 (6)
- 6) Organize the steps involved in the destruction of old red blood cells. K3 (9)
- 7) Analyze the factors that can affect the accuracy of red blood cell counts K4 (8)
- 8) Categorize the different types of blood cell counts based on their cellular components. K4 (12)

**OR**

- Categorize the tests used to assess blood coagulation as specific factor assays. K4 (12)