

School of Medical and Allied Sciences

**B.Sc Medical Lab Technology
Semester End Examination - Jun 2024**

**Duration : 180 Minutes
Max Marks : 100**

Sem II - L1UD202T - BMLS2002 - Basic 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

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| 1) | Define Precision with example. | K1(2) |
| 2) | Demonstrate the types of anticoagulants. | K2(4) |
| 3) | Summarize and explain the urine analysis. | K2(6) |
| 4) | Organize and explain the step by step process of Thrombopoiesis with help of a flow chart, detailing the formation of Platelets from hematopoietic stem cells to mature Platelets. | K3(9) |
| 5) | Organize and explain the hemostasis step by step. | K3(9) |
| 6) | Justify Hematopoiesis with step by step representation of all the cells. | K5(10) |
| 7) | Categorize the leucopoiesis with the step by step formation of both granulocyte as well as agranulocyte. | K4(12) |
| 8) | Evaluate Hemoglobin along with its definition, types, structure, synthesis and degradation. | K5(15) |
| 9) | Evaluate the normal hemostasis and brief each and every step. | K5(15) |
| 10) | Design a system for routine quality assurance including the internal and external quality control. | K6(18) |