

**2 0 2 3**  
(April)

**Bachelor of Medical Laboratory Technology (BMLT) 3<sup>rd</sup> Year**

**Pathology – II**

Full Marks : 80

Time : 3 hours

*The figures in the margin indicate full marks for the questions*

*Answer all questions*

1. Answer the following in short: (2 X 10 = 20)
  - a) Define Hemostasis.
  - b) What are the indications of sickling test?
  - c) Give four examples of anticoagulents used in laboratory.
  - d) Write down the normal reference range with method specification of BT & CT.
  - e) Write down the principle of H & E staining.
  - f) What are reticulocytes? What is the reference range of reticulocyte?
  - g) What is OFTP? What are the indications of OFTP?
  - h) What are absolute eosinophil count and its reference range?
  - i) What are the parameters assessed in red cell indices?
  - j) What is FNAC?
  
2. Write short notes on (any four): (5 X 4 = 20)
  - a) Hb electrophoresis.
  - b) The procedure of BT & CT by any one method.
  - c) LE cell preparation and its procedure.
  
3. Descriptive questions (any four): (10 X 4=40)
  - d) Platelet function test.
  - e) The coagulation pathway.
  - a) Write a note on investigation of G6PD deficiency.
  - b) Discuss the mechanism of blood coagulation.
  - c) Briefly explain the quality control in haematology.
  - d) Write down the calculation methods of different red cell indices
  - e) What are the tests done for the investigation of autoimmune hemolytic anemia?

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Turn over –