

**B.Sc. IN MEDICAL LABORATORY TECHNOLOGY  
(BSCMLT)**

00453

**Term-End Examination**

**June, 2012**

**BAHI-005 : CLINICAL BIOCHEMISTRY**

*Time : 3 Hours*

*Maximum Marks : 70*

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**Note :** Q. no. 1 is *compulsory*. Attempt *any five* questions from Q. no. 2 to Q. no. 7.

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**PART-A**

1. Fill in the blanks. **2x10=20**
- (a) True Glucose is estimated by \_\_\_\_\_.
  - (b) Normal value of BUN is \_\_\_\_\_.
  - (c) Lactose is made up of \_\_\_\_\_.
  - (d) Normal value of Cholesterol is \_\_\_\_\_.
  - (e) Lipoprotein is \_\_\_\_\_ density cholesterol.
  - (f) RNA exists in \_\_\_\_\_ form in the body.
  - (g) Stored form of iron in body is \_\_\_\_\_.
  - (h) Calcium and phosphorus is required for \_\_\_\_\_.
  - (i) Normal Value of Glycosylated Hb is \_\_\_\_\_.
  - (j) Cephalins are \_\_\_\_\_ lipids.

## PART-B

Answer *any three* questions. Each carries 10 marks.

2. (a) What are polysaccharides ? Give the importance of polysaccharides. Name any four poly saccharides. 1, 3, 1  
(b) Give the flow chart of Glycolysis. 5
3. (a) Classify lipids with one example of each. 5  
(b) What are lipoproteins ? Give their classification along with main lipid fraction. 5
4. (a) Give the classification of enzymes. 3  
(b) What are coenzymes ? 2  
(c) Explain the clinical significance of any five enzymes. 5
5. (a) Differentiate between DNA and RNA. 3  
(b) How is uric acid formed in the body ? 7
6. Give the absorption of iron along with sources of iron in food. 10

### PART-C

7. Write short notes on *any four* of the following :

Each carries 5 Marks.

5x4=20

- (a) GTT for Diabetic Patient
  - (b) Fluorsis
  - (c) Importance of calcium
  - (d) Copper containing Compounds.
  - (e) Ketosis
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