	BAHI-005

B.Sc. IN MEDICAL LABORATORY TECHNOLOGY (BSCMLT)

Term-End Examination

December, 2014

BAHI-005 : CLINICAL BIOCHEMISTRY

Time : 3 Hours   *Maximum Marks : 70*

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

PART - A

1. Fill in the blanks.   **10x2=20**

    (a)   pH range of urine is _____.

    (b)   Cholesterol, fatty acids and glycerol belong to _____ class of lipids.

    (c)   Normal specific gravity of urine is _____.

    (d)   Blood glucose level estimated by enzymatic method is called _____.

    (e)   Full form of G.T.T. is _____.

    (f)   Normal fasting Blood Sugar level is _____.

    (g)   _____ is a better kidney function test than _____.

    (h)   Serum Uric Acid is increased in _____.

    (i)   Milk, butter, egg and meat are the dietary source of _____.

    (j)   Lipid Profile include the estimation of _____.

PART - B

Answer **any three** questions. Each carries
10 marks :   **3x10=30**

2. (a) What are foam cells ?   **3**
    (b) What is their importance ?   **5**
    (c) What is Chemical Diabetes Mellitus ?   **2**

3. (a) Why is it important to control glucose level   **5**
         in a Diabetic Patient ?
    (b) What is the value of Hb A,C estimation in   **5**
         Diabetic Control ?

4. (a) Why Glucose, Fructose and Mannose give   **5**
         same types of crystals ?
    (b) Name the typical carbohydrates found in   **2**
         plants and animals.
    (c) Starch gives blue colour and glycogen gives   **3**
         red colour with iodine test, why ?

5. (a) What is cholesterol ?   **2**
    (b) In what form is it present in the blood ?   **3**
    (c) What are its biological functions ?   **5**

6. (a) What is gestational diabetes mellitus ?   **5**
    (b) How are the pregnant females screened ?   **5**

PART - C

7. Write short notes on **any four** of the following.
    Each carries **5** marks.   **4x5=20**
    (a) Hb A,C
    (b) Complications of Diabetes Mellitus
    (c) Uremia
    (d) Albuminuria
    (e) Gout

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