

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

**Term-End Examination**

**June, 2017**

**BAHI-005 : CLINICAL BIOCHEMISTRY**

*Time : 3 hours*

*Maximum Marks : 70*

**Note :** *Attempt any six questions. Question No. 7 is compulsory.*

1. Enumerate various Thyroid functions. Discuss evaluation of Thyroid function tests. 10
2. Compare and contrast animal fats and plant fats. Name a biological detergent and mention its role in fat metabolism. 10
3. State the complications of Diabetes mellitus. Discuss the methods of assessing glycemic control in individuals. 10
4. Enumerate various renal function tests. Explain how do you estimate serum creatinine and urea and interpret the results. 10
5. Enlist common liver enzymes and their function. Briefly mention the principle and method of estimation of any one of them. 10

6. Define multiple myeloma. Outline the laboratory tests in diagnosis of this condition from blood and urine. 10
7. Write short notes on **any four** of the following : 5x4=20
- (a) Structure and function of DNA
  - (b) Components of cholesterol and their importance
  - (c) Test for serum iron status
  - (d) Principle of colorimeter and its utility
  - (e) Pernicious anaemia
  - (f) Importance of precipitation of proteins
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