

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

Term-End Examination

December, 2016

BAHI-005 : CLINICAL BIOCHEMISTRY

Time : 3 hours

Maximum Marks : 70

Note : Attempt any six questions. Question no. 7 is compulsory.

1. Discuss the laboratory tests used in the comprehensive management of diabetes mellitus. 10
2. Define Lipids. Describe the various types of lipids giving their normal values. 10
3. Define the following :
 - (a) Enzymes
 - (b) Isoenzymes
 - (c) Coenzymes
 - (d) Substrate
 - (e) Cofactors

Give suitable examples for each of them. 10

4. Write the various components of serum cholesterol. Explain how do you estimate them. 10
5. Define Hypocalcemia. Describe the procedure of estimation of calcium in the laboratory. 10
6. List causes of hypoproteinemia. Explain how you will estimate proteins in blood. 5+5=10
7. Write briefly on any **four** of the following : 4×5=20
- (a) Bence Jones proteins and their significance
 - (b) Tests for Serum Iron Status
 - (c) Glycolysis pathway
 - (d) Advances of Spectrophotometer over Colorimeter
 - (e) Compare Animal fats and Plant fats
 - (f) Gastric juice collection and its analysis
-