DG-3192
Third Year B. Sc. (Medical Technology) (Sem. V)
Examination
March / April - 2016
MT - 13 : Clinical Biochemistry & Enzymology
(New Course)

Time : 2 Hours] [Total Marks : 50

Instruction:

Fill up strictly the details of the signs on your answer book.

Name of the Examination:
Third Year B. Sc. (Medical Technology) (Sem. V)

Name of the Subject:
MT - 13 : Clinical Biochemistry & Enzymology (New)

Seat No.:

Student's Signature

1. Answer/Write/Comment on the following: (10)
   a) What is G6PD? How this enzyme is related with drug induced haemolytic anemia?
   b) Glycated haemoglobin is an important test in hyperglycemia.
   c) Apoprotein A-1 is the activator of LCAT, justify.
   d) What is LDH flipped pattern? In which condition it is observed?
   e) Isoenzymes are used for differential diagnosis of disease. Explain giving example.

2. Attempt any two of the following: (14)
   a) Explain Isoenzymes, its clinical importance and detection.
   b) Describe the effect of various hormones in regulation of blood glucose.
   c) IDDMVsNIDDM.

3. Answer the following: (any one) (12)
   a) Describe β-oxidation of fatty acids in detail.

   OR

   a) Explain endogenous cholesterol synthesis in detail.

4. Write short notes on: (14)
   a) Function of Plasma protein
   b) Diabetic ketoacidosis,
   c) ALT.
   d) Fredrickson’s classification.