AB-3192
Third Year B. Sc. (Sem. V) (MT) Examination
March / April – 2015
MT - 13 : Clinical Biochemistry & Enzymology
(New Course)

Time : Hours] [Total Marks : 50

Instructions :

1. Answer in short :
   (1) All enzymes are protein but all proteins are not enzymes.
   (2) Define gluconeogenesis and glycogenolysis.
   (3) Give difference between functional and nonfunctional enzymes.
   (4) What is normal blood cholesterol level ? Give its significance.
   (5) What is A.G ratio ? Give its clinical importance.

2. Attempt any two of the following :
   (1) Describe the hormonal influence of carbohydrate metabolism.
   (2) Metabolism of HDL.
   (3) Name enzymes of liver diseases and its importance in liver disease diagnosis.

3. Answer the following : (any one)
   (1) Describe $\beta$-oxidation of fatty acids in detail.
   (2) Explain the importance of serum enzymes and its variation in myocardial infarction.

[Contd...
Write short note on: (any two)

(1) SGPT
(2) Diabetic ketoacidosis
(3) Fredrickson's classification
(4) Electrophoretic pattern of plasma protein in disease condition.