



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)

नीचे दृशावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य कपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="Third Year B.Sc. (Sem. 5) (MEDICAL TECH.)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="MT - 13 : CLIN. BIOCH. & ENZY. (NEW)"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="1"/> <input type="text" value="9"/> <input type="text" value="2"/>	<input type="text" value="Student's Signature"/>
Section No. (1, 2,.....) : <input type="text" value="Nil"/>	

1 Answer in short : 10

- (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 : 14

- (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) 12

- (1) Describe β -oxidation of fatty acids in detail.
- (2) Explain the importance of serum enzymes and its variation in myocardial infarction.

4 Write short note on : (any two)

14

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