



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 :

नीचे दृश्यादिब निशानीवाणी विगतो उत्तरवाडी पर अवश्य लपवी.
Fillup strictly the details of 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)

Subject Code No. : 3 1 9 2 Section No. (1, 2,.....): Nil

Seat No. :
[] [] [] [] [] []

Student's Signature

1. Answer/Write/Comment on the following: (10)

- What is G6PD? How this enzyme is related with drug induced haemolytic anemia?
- Glycated haemoglobin is an important test in hyperglycemia.
- Apoprotein A-1 is the activator of LCAT, justify.
- What is LDH flipped pattern? In which condition it is observed?
- Isoenzymes are used for differential diagnosis of disease. Explain giving example.

2. Attempt any two of the following: (14)

- Explain Isoenzymes ,its clinical importance and detection.
- Describe the effect of various hormones in regulation of blood glucose.
- IDDMVsNIDDM.

3. Answer the following: (any one) (12)

- Describe β -oxidation of fatty acids in detail.

OR

- Explain endogenous cholesterol synthesis in detail.

4. Write short notes on: (14)

- Functionsof Plasma protein
- Diabetic ketoacidosis,
- ALT.
- Fredrickson's classification.