



RF-3343-44

M. Sc. (Part - II) (Med. Tech.) Examination

April / May – 2010

Clinical Biochemistry : Paper - VI

Time : 3 Hours]

[Total Marks : 52

Instructions :

(1)

नीचे दृशविले निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
M. Sc. (Part - 2) (Med. Tech.)	<input type="text"/>
Name of the Subject :	<input type="text"/>
Clinical Biochemistry : Paper - 6	<input type="text"/>
Subject Code No. : <input type="text"/> 3 <input type="text"/> 3 <input type="text"/> 4 <input type="text"/> 3	Section No. (1, 2,.....) : <input type="text"/> Nil
Student's Signature	

- (2) Answer **all** the questions.
(3) Illustrate your answers with neat diagrams wherever **necessary**.
(4) Figures to the **right** indicate full marks.

1 Explain the metabolism of glycogen and its regulation. 10

OR

1 Explain citric acid cycle and its amphibolic role. 10

2 Attempt the following : 2×5=10

- (a) Fate of pyruvic acid
(b) Formation and fate of ammonia.

OR

2 Attempt the following :

- (a) Diabetes mellitus-biochemical aspects
(b) Malnutrition.

3 Explain DNA replication. 10

OR

3 Metabolism of tyrosine and important products formed from it. 10

4 Metabolism of lipoproteins and diseases associated with it 10

OR

4 β -Oxidation of fatty acids and explain the transport of fatty acids into mitochondria and regulation aspects. 10

5 Write short notes on any **three** of the following : 3×4=12

- (a) Phospholipids
 - (b) Absorption of lipids
 - (c) Glycosylated haemoglobin
 - (d) Fatty liver
 - (e) Nutritional disorders.
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