



SC-2769

M. Sc. (Med. Tech.) (Sem. II) Examination
April / May – 2011
Paper : MT - 205 - Clinical Enzymology and
Endocrinology

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांशके 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"/>
<input type="text" value="M. SC. (MED. TECH.) (SEM. 2)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="PAPER : MT - 205 CLINICAL ENZYMOLOGY AND ENDOCRINOLOGY"/>	<input type="text"/>
Subject Code No. : <input type="text" value="2"/> <input type="text" value="7"/> <input type="text" value="6"/> <input type="text" value="9"/>	<input type="text" value="Student's Signature"/>
Section No. (1, 2,.....): <input type="text" value="Nil"/>	

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

1 Write notes any **two** of the following : **12**

- (a) Factors affecting presence and removal of intracellular enzymes from plasma.
- (b) Enzymes as probes biochemical studies
- (c) Enzymes as therapeutic agents.

2 Write clinical significance of any **three** of the following : **15**

- (a) Ceruloplasmin
- (b) Alkaline phosphatase (ALP)
- (c) Glutamate dehydrogenase
- (d) Pyruvate kinase

- 3** Write functions and clinical significance of any **two** of the following : **14**
- (a) Creatine Kinase (CK)
 - (b) Glycogen phosphorylase
 - (c) Amylase
- 4** Write notes on any **two** of the following : **14**
- (a) Mechanisms of action of hormones
 - (b) Prolactin
 - (c) Gonadotropins
- 5** Discuss on any **three** of the following : **15**
- (a) Hormones of adrenal medulla
 - (b) Anti-diuretic hormone
 - (c) Effects of insulin on metabolism
 - (d) Gastrin.
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