



SB-2722

M. Sc. (Part-I) (Biosciences) (Sem. II) Examination
March / April – 2011
BIOS-202 : Biochemistry

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांश देव निशान्नीवाणी 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-I) (BIOSCIENCES) (SEM. II)	<input type="text"/>
Name of the Subject :	<input type="text"/>
BIOS-202 : BIOCHEMISTRY	<input type="text"/>
Subject Code No. : <input type="text" value="2"/> <input type="text" value="7"/> <input type="text" value="2"/> <input type="text" value="2"/>	<input type="text"/>
Section No. (1, 2,.....): <input type="text" value="Nil"/>	
Student's Signature	

- (2) Figures to the right indicate full marks of the question.
(3) Draw neat and labelled diagrams whenever necessary.
(4) Both sections must be written in separate answer books.

- 1 Write on any two : 18
- (a) Various Acid-base concepts with their limitations.
(b) Define pH. Explain the theory of pH scale and biological significance of pH.
(c) Explain molarity, molality and normality with examples.
- 2 Describe (any two) : 18
- (a) Define colloids. Describe various properties of colloid.
(b) Explain stereoisomerism giving examples.
(c) Beta-oxidation of fatty acids.

- 3** Attempt (any two) : **18**
- (a) Enzymology of Glycolytic pathway.
 - (b) Regulation of citric acid cycle.
 - (c) HMP shunt pathway.
- 4** Write notes on (any two) **16**
- (a) Degradation of amino acids.
 - (b) Role of RNAs in protein synthesis.
 - (c) Urea cycle.
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