

SB-2722

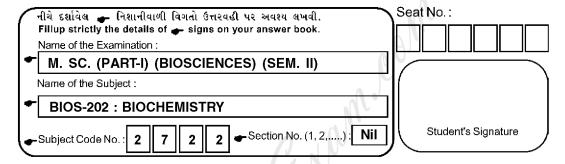
M. Sc. (Part-I) (Biosciences) (Sem. II) Examination March/April - 2011

BIOS-202: Biochemistry

Time: 3 Hours] [Total Marks: 70

Instructions:

(1)



- (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):

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- (a) Define colloids. Describe various properties of colloid.
- (b) Explain stereoisomerism giving examples.
- (c) Beta-oxidation of fatty acids.

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3 Attempt (any two): 18

- Enzymology of Glycolytic pathway. (a)
- Regulation of citric acid cycle. (b)
- (c) HMP shunt pathway.
- 4 Write notes on (any two)

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- Degradation of amino acids.
- (b) Role of RNAs in protein synthesis.
- (c) Urea cycle.

Tesis.

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