



SC-3671

M. Sc. Integrated Biotechnology Examination

April / May - 2011

IBT - 301 Biochemistry : II

Time : 3 Hours]

[Total Marks :70

Instruction :

(1)

नीचे दृशावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य कपवी. 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. Integrated Biotechnology"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="IBT - 301 Biochemistry : 2"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="6"/> <input type="text" value="7"/> <input type="text" value="1"/>	<input type="text"/>
Section No. (1, 2,.....): <input type="text" value="Nil"/>	<input type="text"/>
	Student's Signature

(2) Figures to the right indicate full marks of the question.

(3) Draw neat and labeled diagrams whenever necessary.

- 1 Explain in detail about following : (any two) 18
- Biological functions of protein and carbohydrates
 - Evolution of life
 - "The chemistry of living organism is organized around the carbon"
- 2 Attempt any two : 18
- Explain about the acid base properties of amino acids
 - Describe chemical modification and cross linking in protein.
 - Describe different types of chromatography used for aminoacid analysis.
- 3 Write detailed note on any three : 18
- Classification of lipids with functions and example
 - Structure and functions of homo - polysaccharides
 - Transport of lipoprotein of blood plasma
 - Hetero polysaccharides.
- 4 Write notes on any two : 16
- Occurrence and biological functions of B6 and B12
 - Nucleic acid protein supra molecular complex
 - Structure and functions of tRNA.