



SC-2767

M. Sc. (Sem. II) (Med. Tech.) Examination

April / May - 2011

Paper : MT - 203 - Advance Biochemistry

Time : 3 Hours]

[Total Marks :70

Instructions :

(1)

नीचे दृशावेक निशानीवाणी विगतो उतरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination : M. Sc. (Sem. II) (Med. Tech.)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Name of the Subject : Paper : MT - 203 - Advance Biochemistry	<input type="text"/> Student's Signature
Subject Code No. : 2 7 6 7 Section No. (1, 2,...): Nil	

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

- 1 Explain any two of the following : 14  
(a) Secondary structures of protein  
(b) Importance of plasma proteins.  
(c) Anion and Cation Exchangers
- 2 Write on any two of the following : 14  
(a) Structural and functional aspects of DNA  
(b) Nucleosomes  
(c) Watson-Crick base pairing.
- 3 Write short notes on any two of the following : 12  
(a) Transfer RNA  
(b) Ribonucleoproteins  
(c) Structure adenovirus

- 4 Write on any **three** of the following : 18
- (a) Promoter region
  - (b) RNA polymerase (prokaryotes)
  - (c) Prokaryotic translation initiation.
  - (d) Wooble hypothesis
- 5 Discuss on any **two** of the following : 12
- (a) Regulatory mechanisms of transcription
  - (b) Functions of Operon
  - (c) Effect of antimicrobials on translation.
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