



SB-5373

**M. Sc. (Medical Laboratory Technology) (Sem. II)
Examination**

March/April – 2011

MLT - 203 : Basic Biochemistry

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांकेस निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
M.Sc. (Medical Laboratory Technology) (Sem. 2)	<input type="text"/>
Name of the Subject :	<input type="text"/>
MLT - 203 : Basic Biochemistry	<input type="text"/>
Subject Code No. : <input type="text" value="5"/> <input type="text" value="3"/> <input type="text" value="7"/> <input type="text" value="3"/>	Section No. (1, 2,.....): <input type="text" value="NIL"/>
	Student's Signature

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

1 Write any **three** : **3×6=18**

- (a) Reactions of monosaccharides
(b) Classification of lipids
(c) Transfer RNA
(d) Classification of amino acids based on nutritional aspects and polarity.

2 Write any **three** : **3×6=18**

- (a) Classification of proteins.
(b) Denaturation of proteins
(c) Phospholipids and their importance
(d) Structural and functional aspects of DNA.

- 3** Write any **three** : **3×6=18**
- (a) Plasma proteins - types and importance.
 - (b) Color reactions of amino acids
 - (c) Structural aspects of B-DNA
 - (d) Mucopolysaccharides.
- 4** Write any **four** : **4×4=16**
- (a) Cholesterol
 - (b) Reducing tests for detection of monosaccharides
 - (c) Purification of proteins
 - (d) Secondary structure of proteins
 - (e) Optical isomerism.
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