



SB-5374

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

March/April – 2011

**MLT - 204 : Enzymes, Hormones, Nutrition &
Vitamin**

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दर्शायेव 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"/>
<input type="text" value="M.Sc. (Medical Laboratory Technology) (Sem. 2)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="MLT - 204 : Enzymes, Hormones, Nutrition And Vitamin"/>	<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="4"/>	<input type="text"/>
Section No. (1, 2,.....): <input type="text" value="NIL"/>	<input type="text"/>
	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) Classification of enzymes
(b) Mechanism of action of hormones
(c) Functional aspects, requirement and deficiency manifestations of thiamine
(d) Obesity.

2 Write any three : 3×6=18

- (a) Allosteric enzymes
(b) Vitamin A and its functions
(c) Nutritional importance of carbohydrates and fat
(d) Balanced diet.

3 Write any **three** : **3×6=18**

- (a) Enzyme specificity
- (b) Pyridoxine and its coenzyme role
- (c) Ascorbic acid
- (d) Vitamin D and its functions.

4 Write any **four** : **4×4=16**

- (a) Specific dynamic action
 - (b) K_m and V_{max}
 - (c) Respiratory quotient
 - (d) Pantothenic acid
 - (e) Calorific values.
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