



JB-3136
Second Year B. Sc. (Sem. III) Examination
March/April – 2013
Medical Technology : Paper - MT-07

Time : Hours]

[Total Marks : 50

Instructions :

(1)

<p>नीचे दृशावेव निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : Second Year B. Sc. (Sem. 3)</p> <p>Name of the Subject : Medical Technology : Paper - MT-07</p> <p>Subject Code No. : 3 1 3 6 Section No. (1, 2,.....): Nil</p>	<p>Seat No. : [][][][][][][]</p> <p style="text-align: center;">Student's Signature</p>
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(2) Figures to the right indicate full marks of the question.

(3) Draw neat and labelled diagram wherever necessary.

1 Give answers in brief : 8

- (a) Define and explain glycosides giving their examples.
- (b) What is rancidity ? Explain.
- (c) Define metalloenzyme and co-enzyme.
- (d) What is essential amino acid ? Give four examples of it.

2 Attempt any two of the following : 14

- (a) What is structural organization of protein ? Explain in detail about primary structure of protein.
- (b) Define carbohydrate. Give its brief classification. Describe any two chemical properties of monosaccharide.
- (c) Enlist and explain various factors affecting enzyme action.

- 3** Answer any **two** of the following : **14**
- (a) How steroid differs from sterol ? Describe the occurrence, properties and structure of cholesterol.
 - (b) Give detail account of enzyme classification.
 - (c) Describe polysaccharide and its types.
- 4** Write notes on any **two** of the following : **14**
- (a) Specificity of enzyme
 - (b) Zwitterion and pH
 - (c) Phospholipids
 - (d) Isoenzymes.-
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