



RR-0805
Third Year B. Sc. Examination
March / April – 2010
Bioscience : Paper - VIII
(New Course)

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

<p>नीचे दृशावेल निशानीवाणी विगतो उत्तरवडी पर अवश्य लभवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : T. Y. B. Sc.</p> <p>Name of the Subject : Bioscience - 8 (New)</p> <p>Subject Code No. : 0 8 0 5 Section No. (1, 2,.....): Nil</p>	<p>Seat No. : <table border="1" style="width: 100%; height: 20px; border-collapse: collapse;"><tr><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td></tr></table></p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; margin-top: 10px;">Student's Signature</div>						

- (2) Draw neat and labelled diagram wherever necessary.
(3) Figures to the right indicate full marks of the question.

1 Answer as directed : 13

- (i) Explain : Transdeamination
- (ii) Describe the various sources and RDA of Vitamin C.
- (iii) Describe in brief scurvy.
- (iv) What is chimeric molecule?
- (v) Describe in brief clinical features of Type-I glycogen storage diseases.
- (vi) Define :
 - (a) Amphibolic pathway
 - (b) Hypervitaminosis
 - (c) Gene amplification.

2 Write an essay on Urea cycle. 14

OR

- 2 (i) Write a detail note on glycogenesis.
(ii) Describe the activation and transport of F.A. into the matrix.

- 3** Write a detail note on any **two** of the following vitamins : **14**
- (i) Vitamin D
 - (ii) Thiamin
 - (iii) Vitamin A.
- 4** Answer any **two** of the following questions : **14**
- (i) Write a detail note on gene mutation.
 - (ii) Define cloning vector. Describe in brief cloning vectors used in rDNA technology.
 - (iii) Describe in detail - Blot technique.
- 5** Write short notes on : (any **three**) **15**
- (i) Components of ETC
 - (ii) Lactose intolerance
 - (iii) Folic acid
 - (iv) Malnutrition
 - (v) Transcription.
-