



RR-0871
Third Year B. Sc. Examination
March / April – 2010
Bioscience : Paper - VIII
(Old Course)

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

<p>नीचे दर्शाविए निशानीवाणी विगतो उत्तरवही पर अवश्य लખवी. 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 (Old)</p> <p>Subject Code No. : 0 8 7 1 Section No. (1, 2,.....) : Nil</p>	<p>Seat No. : <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/></p> <div style="border: 1px solid black; border-radius: 15px; height: 80px; width: 100%; display: flex; align-items: center; justify-content: center; margin-top: 10px;">Student's Signature</div>
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- (2) Draw neat and labelled diagram wherever necessary.
- (3) Figures to the right indicate full marks of the question.

- 1 Answer as directed : 12
- (i) Describe in brief biogenic amines.
 - (ii) Describe the sources and RDA of Vit. E.
 - (iii) What are Okazaki fragments?
 - (iv) Define
 - (a) Amphibolic pathway
 - (b) Deamination
 - (v) Explain : Alkaptonuria
 - (vi) Describe in brief Beri-beri.

- 2 Describe in detail ETC. 12

OR

- 2 Write an essay on : "Gluconeogenesis"

- 3 Describe in detail - Applications of r-DNA technology. 12

OR

- 3** Write a note on :
- (i) DNA methylation
 - (ii) Types of mutation.
- 4** Write a detail note on any **two** : **12**
- (i) Ascorbic acid
 - (ii) Niacin
 - (iii) Vitamin B₁₂
- 5** Write an essay on "Balance Diet". **12**
- OR**
- 5** Write notes on :
- (i) Nutrition during pregnancy
 - (ii) Diabetes
- 6** Write short notes on : (any **two**) **10**
- (i) Transamination
 - (ii) Restriction endonuclease
 - (iii) Vitamin D
 - (iv) Von Girek's disease.
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