



SB-0703
Second Year B. Sc. Examination
March/April – 2011
Bioscience Paper : III
(New Course)

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

<p>नीचे दृश्यावलोकन निशान्तीवाणी विगतो उत्तरवडी पर अवश्य लखवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : S. Y. B. Sc.</p> <p>Name of the Subject : Bioscience Paper : 3 (New)</p> <p>Subject Code No. : 0 7 0 3 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> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; width: 100%;">Student's Signature</div></p>						

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

- 1 Answer as directed : 12
- (i) Explain - splicing of gene.
(ii) Describe in brief interface.
(iii) What is chromosomal non-disjunction ?
(iv) Enlist the functions of thrombocytes.
(v) Describe - Klinefelter's syndrome.
(vi) Define
(a) Gene
(b) Anaemia

- 2 Write an essay on "Chloroplast." 15
OR

- 2 (i) Describe in detail ultrastructure of mitochondrion. 9
(ii) Write a detail note on endoplasmic reticulum. 6

- 3 Write an essay on : 14
"Multiple alleles"

OR

SB-0703]

1

[Contd...

- 3** (i) Describe in detail genetic code. **8**
(ii) Write a detail note on haemophilia. **6**
- 4** Answer any **two** of the followings : **14**
(i) Describe in brief structure and functions of haemoglobin.
(ii) Write a detail note on blood plasma.
(iii) Describe in detail osmoregulation in human.
- 5** Write short notes : (any **three**) **15**
(i) Structure of membrane
(ii) Abnormal haemoglobin
(iii) Golgi body
(iv) Measurement of blood pressure
(v) Transformation.
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