



SB-0705

Second Year B.Sc. Examination

March/April – 2011

**Bioscience : Paper - V
(New Course)**

Time : Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दृशविवेक निशानीवाणी विगतो उत्तरवडी पर अवश्य लखवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
S. Y. B.Sc.

Name of the Subject :
Bioscience : Paper - 5 (New)

Subject Code No. : **0 7 0 5** Section No. (1, 2,.....) : **NIL**

Seat No. :

Student's Signature

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

- 1 Answer as directed : 12
- (i) Explain - Exaltation
 - (ii) Describe in brief reinfection with suitable example.
 - (iii) What is mordant ?
 - (iv) Describe - antiseptics.
 - (v) Enlist any four gram -ve bacteria
 - (vi) Define :
 - (a) Virulence
 - (b) Sporulation

- 2 Write an essay on : "Bacterial flagella" 15

OR

- 2 (i) Write a detail note on Archeobacteria. 9
(ii) Describe in brief properties of viruses. 6

- 3 Write an essay on : 14
"Culture media"

OR

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[Contd...

- 3 (i) Describe in brief various factors affecting growth. 8
(ii) Write a note on differential staining. 6
- 4 Describe in detail nonspecific defence mechanism. 14
- OR**
- 4 (i) Write a detail note on autoclave. 8
(ii) Describe in brief pathological condition. 6
- 5 Write short notes : (any **three**) 15
- (i) Oral flora
 - (ii) Viable count method
 - (iii) Classification of algae
 - (iv) Volutin granules
 - (v) Structure of baet. membrane.
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