



SB-0705
Second Year B.Sc. Examination
March/April – 2011
Bioscience : Paper - V
(New Course)

Time : Hours]

[Total Marks : 70

Instructions :

(1)

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| <p>नीचे दृशविवेक निशान्नीवाणी 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 - 5 (New)</p> <p>Subject Code No. : 0 7 0 5 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"/><input type="text"/></p> <div style="border: 1px solid black; border-radius: 15px; height: 80px; display: flex; align-items: center; justify-content: center; margin-top: 10px;">Student's Signature</div> |
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- (2) Figures to the right indicate full marks.
(3) Draw neat and labelled diagram wherever necessary.

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| 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 : “Culture media” | 14 |

OR

- 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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