



**AC-3094**  
**B. Sc. (Sem. VI) Examination**  
**April / May – 2015**  
**Bioscience : Paper - III**  
**(Elementary Microbiology)**

Time : Hours]

[Total Marks : 50

**Instructions :**

(1)

<p>नीचे दृशायेव निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : B. SC. (SEM. 6)</p> <p>Name of the Subject : BIOSCIENCE : PAPER - 3</p> <p>Subject Code No. : 3 0 9 4 Section No. (1, 2,...): Nil</p>	<p>Seat No. : □ □ □ □ □ □</p> <p>Student's Signature</p>
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- (2) Figures to the right indicate full marks of the question.  
(3) Draw neat and labelled diagram wherever necessary.

- 1 Answer as directed. 12
- (1) Explain : Obligate anaerobes.
  - (2) Describe in brief differential media.
  - (3) Give any two examples of flagellated pathogen.
  - (4) Enlist the normal flora of eyes.
  - (5) What is nosocomial infection.
  - (6) Define :
    - (a) L-form
    - (b) Sporulation.

- 2 Write an essay on Bacterial growth curve. 14

OR

- 2 Describe in brief various methods for isolation of pure culture. 14

- 3** Answer any two of the following questions. **14**
- (1) Explain in brief significance of normal flora.
  - (2) Write a note on structure of endospore.
  - (3) Describe in brief types of pathological condition.
- 4** Write short notes : (any two) **10**
- (1) Attenuation
  - (2) Tactic movement
  - (3) Bacterial capsule.
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