



RD-0705

Second Year B. Sc. Examination

April / May – 2010

Bioscience : Paper-V

Time : Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दृशविल 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 : P-5

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) Give contributions of Robert Koch.
- (ii) State the functions of bacterial capsule
- (iii) Describe in brief enrichment media with suitable example.
- (iv) Enlist the normal flora of oral cavity.
- (v) Explain - Secondary infection.
- (vi) Define :
 - (a) Virions
 - (b) Generation time

2 Write an essay on : "Structure types and functions of bacterial cell wall.

15

OR

- 2** Answer the following questions :
- (i) Discuss bacterial growth with reference to growth curve. **6**
 - (ii) Write a detail note on Dyes. **9**
 - (iii) Write an essay on : Host defense mechanism. **14**

OR

- 3** Write a detailed note on : **14**
- (i) Virulence factors
 - (ii) Skin flora
- 4** Attempt any **two** of the following : **14**
- (i) Explain briefly the classification concept and methods for microbial classification.
 - (ii) Write a note on Louis Pasteur.
 - (iii) Describe in brief chemical agents for control of micro organisms.
- 5** Write short notes on : (any **three**) **15**
- (i) Structure of typical procaryotes
 - (ii) Cultivation of anaerobes
 - (iii) Properties of viruses
 - (iv) Active immunity
 - (v) Gram +ve cocci.
-