



RR-0872

Third Year B. Sc. Examination

March / April – 2010

Bioscience : Paper - IX

(Old Course)

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दृशावेल निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.
Fillup strictly the details of signs on your answer book.

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

Name of the Subject :
Bioscience - 9 (Old)

Subject Code No. : 0 8 7 2 Section No. (1, 2,.....): Nil

Seat No. :

Student's Signature

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

1 Answer as directed :

12

(a) Define :

- (i) Anaemia
(ii) Prothrombin time

(b) Explain briefly : Immunity.

(c) Write full forms of following abbreviations :

- (i) GTT
(ii) BCG

(d) Answer only in one line :

- (i) Who proposed clonal selection theory?
(ii) What do you mean by endocarditis?

(e) Write differences between : Bleeding time and Clotting time.

(f) Write the normal range of the following clinically important components in healthy person :

- (i) Blood sugar
(ii) WBC

2 Write an essay on : 12
Antibody and its classes.

OR

2 What is precipitation reaction? Describe clinical applications of precipitation reaction.

3 Describe any **two** of the following : 12

- (a) Delayed type hypersensitivity
- (b) ELISA technique and its significance
- (c) Production and applications of Monoclonal Antibody.

4 Give a brief account on : 12
Kidney Function tests

OR

4 How Sputum sample is collected? Explain how its analysis is useful in clinical diagnosis.

5 Describe major blood group systems and explain complications related to it. 12

OR

5 Explain :

- (i) Haematocrit values and their significance
- (ii) Use of blood and blood components in medical field.

6 Write short notes on any **two** : 10

- (a) Serum amylase
- (b) Microscopic examination of stool
- (c) Haemoglobin.
