

PART B

Answer the following each within 500 words.

(5 x 8 = 40 marks)

Draw diagrams wherever necessary

21. (a) Write briefly about the objectives of research and types of research

OR

(b) Give a note on any two data presentation methods.

22. (a) Outline the steps involved in Hypothesis testing.

OR

b) Write a note about the data collection methods.

23. (a) Write an account on sequence submission tools.

OR

(b) Give an account on the flat file format of Genbank.

24. (a) Compare the tools used for local alignment and global alignment.

OR

(b) Write briefly about scoring matrix.

25. (a) Illustrate any one method used for tree building.

OR

(b) Discuss the findings of neutral theory of evolution.

PART – C

Answer any TWO of the following, each within 1500 words.

(2 x 20 = 40 Marks)

Draw diagrams wherever necessary.

26. Explain the principles of experimental design with example.

27. Describe the importance of different sampling methods.

28. Elaborate on the methods of eukaryotic gene prediction.

29. Write an essay on the sequence and structure databases.
