

D 1592

Name.....

Reg. No.....

THRID SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2009

General Biotechnology

GBT 211—BIostatistics and Bioinformatics

Time : Three Hours

Maximum : 80 Marks

Section A

Answer any two questions.

1. Explain the different types of measures for central tendency and dispersion.
2. Discuss the organization of computer in detail.
3. Describe in detail the bubble sort algorithm.

(2 x 10 = 20 marks)

Section B

Answer any ten questions.

4. What is **internet** ? Discuss the different applications of **internet**.
5. Write a note on MS-OFFICE presentation software.
6. Explain about the tabulation of data.
7. Write about the significance **os** student T test.
8. Discuss about the low-level computer programming languages.
9. What is a flow chart ? Discuss about different flow chart models.
10. Write a **QBASIC** program to find whether the given DNA sequence is a palindrome or not.
11. Discuss about DBMS and **RDBMS**.
12. Write any *five* applications of MS spread sheets.
13. List the differences between correlation and regression.
14. Write about the importance of algorithms in sequence analysis.
15. Explain about **FASTA** algorithm.

(10 x 5 = 50 marks)

Section C

Answer all questions.

16. What is meant by data ?
17. Write about the importance of chi-square test.
18. What is meant by correlation ?
19. Write a syntax for *do-while* loop in C.
20. What is meant by Hardware graphics ?

(5 x 2 = 10 marks)