LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION –STATISTICS

FOURTH SEMESTER – APRIL 2018

16UZO4AL01– BIOINFORMATICS

Date: 23-04-2018
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

Section-A

Answer ALL the questions (10 x 2=20)

1. Comment on biological database.
2. Write a note on cheminformatics.
3. Comment on phylogenetic tree.
4. Mention the importance of BLAST.
5. Mention the use of machine code in computer system.
6. Expand: NIH, NCBI
7. Comment on medical informatics.
8. Write down any two problems faced in bioinformatics.
9. Define 'Bioinformatics' according to NIH.
10. Mention any two advantages of C-programming.

Section-B

Answer any FOUR questions (4 X 10 =40)

11. Write an essay on Internet and its advantages and disadvantages.
12. Comment on data mining and its steps involved in knowledge discovery in databases.
13. Explain the elements of a computer system.
14. Write an essay on influence areas in bioinformatics.
15. Elaborate in detail on BLAST and its applications.
16. Explain the various types of biological databases and their applications.

Section-C

Answer any TWO questions (2 X 20 =40)

17. Form an essay on overview of bioinformatics.
18. 'Write an essay on human genome project (HGP).
19. Form an essay on database similarity searching with special reference to BLAST.
20. Write an essay on the applications of bioinformatic tools and techniques.

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