



Date: 05-04-2019  
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

**Section-A**

**Answer ALL the questions**

**(10 x 2=20)**

1. Mention any two benefits of C-programming.
2. Expand: KDD and HTML.
3. Define 'Bioinformatics' according to NIH.
4. Give two examples for the high level languages.
5. Write down the applications of bioinformatics in agriculture.
6. Comment on phylogenetic tree.
7. Mention any two uses of BLAST in biological sciences.
8. Differentiate database from biological database.
9. Explain on monophyletic.
10. Mention the importance of HapMap.

**Section-B**

**Answer any FOUR questions**

**(4 X 10 =40)**

11. Form an essay on the applications of biological databases.
12. Explain in detail on the recent challenges, applications and future growth of bioinformatics in India.
13. Elaborate on the elements of a computer system.
14. Write an essay on the role of evolutionary tree in biological research.
15. Form an essay on major influence areas in the field of bioinformatics.
16. Explain in detail on the applications of BLAST in database similarity search.

**Section-C**

**Answer any TWO questions**

**(2 X 20 =40)**

17. Write an essay on data mining and its applications.
18. Form an essay on the merits and demerits of internet.
19. Write in detail on overview of bioinformatics and what we actually do with bioinformatics.
20. Write an essay on human genome project (HGP), its medical and social ethics.

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