P.T.O.

K21U 7229



PART - C

Answer any 4 questions. Each question carries 3 marks.

- 15. Discuss the major similarity searching tools used in computational biology.
- 16. What do you mean by dynamic programming algorithms? Discuss.
- 17. Discuss the file format of GenBank.
- 18. Outline the structural compartment of a phylogenetic tree.
- 19. What do you mean by multiple sequence alignment? Discuss.
- 20. Summarise the scope and applications of Genomics and Proteomics. $(4 \times 3 = 12)$

PART - D

Answer any 2 questions. Each question carries 5 marks.

- 21. Outline various methods used to study pairwise alignment.
- 22. Define phylogram. What are the steps required for the analysis of phylogenetic
- 23. What is DNA computing? Discuss the scope and applications of computing
- 24. Investigate the need, scope, goals, uses and applications of the Human $(2 \times 5 = 10)$