

(14)
S.No. 5661

RACSY 76 F

(For candidates admitted from 2008–2015 Batch)

B.Sc. DEGREE EXAMINATION, APRIL 2022

Part III – Allied

COMPUTER APPLICATIONS IN BIOLOGY

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL questions.

1. Highlight the features of High Level Language?
2. List out the generations of Computers.
3. How are computers connected through LAN?
4. What is WAN?
5. What are the different applications of Bioinformatics?
6. Give an account on DDBJ.
7. Write about EST.
8. What is QSAR?

9. Write about the various fields of application of bioinformatics.

10. What are the applications of Genomics?

PART B — ($5 \times 5 = 25$)

Answer ALL questions, choosing either (a) or (b).

11. (a) Comment on the latest technological development in Computers.

Or

(b) Outline the features of PC hardware.

12. (a) How do the computers connected through LAN work? Explain.

Or

(b) Explain the features and applications of TXT files.

13. (a) Brief an account on Scope of Bioinformatics.

Or

(b) What is FASTA? Give their significance.

14. (a) What are the applications in Cheminformatics?

Or

(b) Elaborate the features of EMBL

15. (a) Write a note on the application of Genomics in various fields.

Or

(b) Give an account on the SWISS-PROT.

PART C — ($3 \times 10 = 30$)

Answer any THREE questions.

16. Comment on the characteristics of Windows OS and Linux OS.

17. Give an account on the Internet Service Providers.

18. Explain the structure and features of Gen Bank.

19. Give a detailed account on the various applications of Bioinformatics.

20. Write about Swiss PDB Viewer and PDB for Proteomic analysis.