a2zpapers.com

M.Sc. Bio-Informatics- Ist Sem.

(2118)

Paper: BT-515

Introduction to Bioinformatics & Biological Databases

Time allowed: 3 hrs.

Max. Marks: 75

5 Marks

15 Marks

15 Marks

15 Marks

Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any section. 15X5=75

Section A

1) a) What are genetic code and ORF? Explain differences between intron and exon.

b) What is PCR? Discuss methods used for DNA sequencing.

OR

10 Marks

 Explain bioinformatics? Discuss major milestones and application of bioinformatics in biological sciences.
15 Marks

Section B

 What is a literature database? Discuss different types of biological databases with examples.

OR

4) Discuss features and significances of any one nucleotide and one protein database.

Section C

- 5) What are Flybase and TAIR? Discuss significance of any one genome database. Or
- 6) What are Prosite and Pfam? Discuss significance of pattern database.

Section D

7) What is PDB? Discuss feature and significance of a database of small molecule.

Or

8) What do you understand by file format? Discuss GenBank, MSF and SDF format.

www.a2zpapers.com

Download free old Question papers gndu, ptu hp board, punjab board