Code :R5322301

R5

III B.Tech II Semester(R05) Supplementary Examinations, April/May 2011
BIO INFORMATICS
(Biotechnology)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks
★ ★ ★ ★ ★

1. Why Bioinformatics become very popular in modern biology.

2. What is homology and how this homology is helpful for evolutionary theories?

3. Discuss the important of automation in genome sequencing.

4. Overview of methods of sequence alignment.

5. Give in brief the search criteria followed to search genes in NCBI database.

6. How secondary databases organization and applications in bioinformatics are different from primary databases. Illustrate with examples?

7. Describe in brief about EXPASY and state its applications in bioinformatics.

8. How would you construct phylogenetic trees using clustal programs. Explain briefly?

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