CS - 8301 B.E. VIII SemesterExamination, June 2015

Bioinformatics (Elective-III)

Time: Three Hours http://www.rgpvonline.com Maximum Marks:. 70

Note: 1. Attempt any five out of eight question.

2. All questions carry (14) marks.

3. Use diagrams wherever necessary.

1. Discuss in detail the introduction and objectives of two informatics. 14

2.What do you understand by the word cloning write a flow diagram for the cloning methodology and discuss its salient features. 14

3.Distinguish between two informatics databases and image processing. What are the similarities and differences. 14

4. Write short notes on any four. 14

a) Dynamic programming

b) CORBA

c) Protein folding

d) MYSQL

e) Genome

5. What are the different type of databases? Distinguish between nucleotide sequence database and protein sequence database. 14 .

6. Distinguish between pairwise sequence alignment and multiple sequence alignment. Discuss the what and flow of each of these. 14

7. Distinguish between proteomics and problem solving in twdinformatics. How similar riming and near by words can be separated and mixed? 14

8. What are the strategies and options for similarity search?Make and discuss flow charts for protein structure prediction. 14