

Total No. of Questions :8]

[Total No. of Printed Pages :2

Roll No

CS-8301**B.E. VIII Semester**

Examination, June 2017

Bioinformatics

(Elective - III)

Time : Three Hours

Maximum Marks : 70

Note: Attempt any five questions. All questions carry equal marks.

1. a) Draw structure of DNA and Explain it.
b) Describe about cloning methodology.
2. a) What are different types of databases used in Bioinformatics? Explain.
b) What do you understand by Protein Folding? Explain also protein function.
3. a) How Data Cleaning is done? Explain its transformations.
b) Explain the process of Feature Extraction with the help of example.
4. a) How many types of sequence model. Explain any one of them.
b) Describe methods of optimal alignment also write name of alignment tools.
5. a) Explain about Biological decoder ring.
b) How Gene mapping done? Explain.

CS-8301

PTO

[2]

6. a) What do you understand by Genetic Methods? Write its uses.
b) Draw flow charts for protein structure prediction.
7. a) Describe about proteomics analysis.
b) How mining the Gene Expression Data.
8. Write short note :
a) CORBA
b) Heuristic Methods
c) RNA Genes

CS-8301