

**B.Tech. - VIEP - COMPUTER SCIENCE AND  
ENGINEERING (BTCSVI)**

**Term-End Examination**

**June, 2015**

**00525**

**BICSE-008 : BIO-INFORMATICS**

*Time : 3 hours*

*Maximum Marks : 70*

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**Note :** Answer any **seven** questions. All questions carry equal marks.

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1. With a neat diagram explain the kinemages for biological structure. 10
2. Write short notes on the following :
  - (a) BLAST 5
  - (b) FASTA 5
3. What is the use of structure computations ? Explain 3D structure computations. 10
4. Define microarray. How is it represented in clustering? 10
5. State and explain the vector machine applications in Bio-informatics. 10

6. Define Terminologies and Ontologies. Differentiate between the terminologies and ontologies. 10
  7. Explain the concept of multiple sequence alignment. 10
  8. Draw and explain the genetic networks. 10
  9. Write the gene finding algorithms. 10
  10. What is natural language processing ? Explain with some examples. 10
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