## B.Tech. - VIEP - ELECTRONICS AND **COMMUNICATION ENGINEERING** (BTECVI)

00286

## **Term-End Examination** June, 2014

3 hours	Maximum Marks : 70				
<b>Note:</b> Attempt any <b>seven</b> questions. Each question carries equal marks.					
hat is RNA? Explain the sethod of RNA. Write the condary structure of RNA.	-				
escribe the various o-informatics. Why is it imp orking principle of BLAST an	portant? Write the				
hat is Bio-informatics? Wisions of Bio-informatics? The important softwares formatics. Why is it important	Write the names of used in Bio-				
hat do you mean by in ignment? Explain about quence alignment. Write ultiple sequence alignment in	different types of the application of				
	Attempt any seven question equal marks.  hat is RNA? Explain the sethod of RNA. Write the condary structure of RNA.  escribe the various of informatics. Why is it important principle of BLAST at that is Bio-informatics? We visions of Bio-informatics? We wisions of Bio-informatics? The important softwares formatics. Why is it important that do you mean by informatic explain about equence alignment. Write				

5.	Write short notes on any <b>two</b> of the following: $2 \times 5 = 10$					
	(a)	Final Thou	ughts			
	(b)	Natural Language Processing				
	(c)	Vector Bio-inform	Machine natics	applications	in	
	(d)	Genome S	equencing			
6.	Explain Genetic Networks. Write in brief about secondary structure prediction techniques.					
7.	Write the overview of MUSTA algorithm for geometric hashing and multiple alignment. Write its application with brief description.					
8.	Explain about phylogenetic algorithms. Write the method of Join Phylogenetic alignment.					
9.	Model	Describe how you would build a Hidden Markov  Model (HMM) to predict protein secondary structure.				
10.		in microari fication.	ray clusterin <sub>i</sub>	g with its comp		