M.E. Second Semester (Digital Electronics) (Part Time / Full Time) (C.G.S.- New)

13234 : Elective-II : Bio-Informatics 2 UMEF 5 / 4 UMEP 3

P. Pages: 1 Time: Three Hours

AU - 3326

nttp://www.sgbauonline.com

Max. Marks: 80

Notes: 1. Answer three question from Section A and three question from Section B.

- 2. Assume suitable data wherever necessary.
- Illustrate your answer necessary with the help of neat sketches.
- 4. Use of pen Blue/Black ink/refill only for writing the answer book.

SECTION - A

1.	a)	What is bioinformatics? When and why it is required.	,
	b)	List the various categories of database.	7
2.	a)	Explain navigating databases.	7
	b)	Draw and explain flow of information in bioinformatics.	6
3.	a)	Explain PIR-PSD protein sequence database.	7
	b)	Explain nucleotide sequence database.	6
4.	a)	Explain searching and retrieving from DDBJ database.	7
	b)	Describe Gene expressing database.	6
		SECTION – B	
5.		Explain nucleotide sequence submission tool.	13
6.	a)	Which type of submission are not accepted by GenBank.	7
	b)	Explain how scope can be accessed.	7
7.		Explain phylogenetic prediction algorithms.	13
8.		Explain in detail Gene prediction algorithm.	13
