

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Explain the features and types of RDBMS.	K4	CO1
		(OR)		
	11.b.	Outline the differences between NCBI, DDBJ, Gen bank and EMBL.		
2	12.a.	How PAM matrix used in bioinformatics?	K5	CO2
		(OR)		
	12.b.	Explain the BLOSUM and write its applications.		
3	13.a.	Outline the tools for restriction mapping especially Neb cutter.	K6	CO2
		(OR)		
	13.b.	Explain the concept of Genome Annotation with few tools as example.		
4	14.a.	How can the DALI database contribute to protein structure comparison?	K6	CO4
		(OR)		
	14.b.	Differentiate CATH and SCOP In terms of classification approach.		
5	15.a.	Outline the technologies used for System Biology.	K5	CO5
		(OR)		
	15.b.	How Docking can be used in bioinformatics? Explain.		

SECTION - C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	How is markup language different from programming language? Differentiate markup language and a compiled language.	K5	CO2
2	17	List out the softwares used for the construction of Phylogenetic tree with special reference to PHYLIP.	K6	CO4
3	18	What is the role of primers and probes in PCR? How do you identify forward and reverse primers in PCR?	K6	CO3
4	19	Outline the steps involved in threading.	K6	CO4
5	20	Describe the role of IPR in Bioinformatics.	K5	CO5

Z-Z-Z

END