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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.	Illustrate the primary structure of proteins.	K2	CO1
		(OR)		
	11.b.	Illustrate the structure of Myoglobin.		
2	12.a.	Discuss in detail about the structural domains -Zinc finger motifs.	K3	CO2
		(OR)		
	12.b.	Describe in detail about Membrane protein -Bacterio rhodopsin.		
3	13.a.	Enumerate the principle and application of 1D and 2D gel Electrophoresis.	K3	CO3
		(OR)		
	13.b.	Give the Instrumentation and application of X-ray Diffraction.		
4	14.a.	State the structure of Collagen triple helix.	K3	CO4
		(OR)		
	14.b.	Give an account on Biologically important peptides with examples.		
5	15.a.	How enzymes are engineered?	K4	CO5
		(OR)		
	15.b.	How engineered biomaterials are made ?		

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	Describe about the secondary structure of proteins.	K2	CO1
2	17	List the forces governing protein structure.	K3	CO2
3	18	Elaborate the protein analysis using chromatography.	K3	CO3
4	19	What are Antimicrobial peptides? Explain its types and application.	K3	CO4
5	20	Explain about Combinatorial enzyme engineering.	K4	CO5

Z-Z-Z

END