



2	12.a.	Explain the formation of peptide bond and its importance in protein structure formation.	K5	CO4
	(OR)			
	12.b.	Classify and summarize the secondary structures of proteins.		
3	13.a.	Justify the biological importance of cholesterol and phytosterol.	K5	CO4
	(OR)			
	13.b.	Assess the role of liposomes as carrier for drugs, enzymes and other biologically important molecules.		
4	14.a.	Explain DNA supercoiling and different types of supercoiled DNA forms.	K4	CO3
	(OR)			
	14.b.	Summarise different types of RNA and their role in biological functions.		
5	15.a.	Discuss the structural and functional role of Helix-turn-helix motif and Leu Zipper.	K6	CO3
	(OR)			
	15.b.	Compile a list of important considerations for DNA-protein binding.		

**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	Narrate on the available isolation and purification techniques for polysaccharides.	K4	CO3
2	17	Elaborate how Ramachandran plot could be used to describe the basic elements of protein structure.	K6	CO5
3	18	Explain the structural and biological importance of prostacyclins and leucotrienes.	K5	CO4
4	19	Describe in detail the structure of different types of double stranded DNA.	K5	CO4
5	20	Elaborate on the occurrence of alternative conformations of DNA.	K4	CO3

Z-Z-Z

END