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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.	Differentiate between Osmosis and Diffusion.	K4	CO1
		(OR)		
	11.b.	List out the functions of cell wall.		
2	12.a.	Elucidate the structure and functions of chloroplast.	K5	CO2
		(OR)		
	12.b.	Explain the ultra structure and functions of Nucleus.		
3	13.a.	Classification of Proteins based on its chemical composition.	K4	CO3
		(OR)		
	13.b.	Inspect the biological role of proteins.		
4	14.a.	Predict the chemical composition of nucleic acid.	K6	CO4
		(OR)		
	14.b.	Briefly describe the types of RNA.		
5	15.a.	Identify the structure of Lamp brush chromosomes.	K3	CO5
		(OR)		
	15.b.	Organize the structural organization of chromosome.		

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	Justify that "Cell as a complete functional unit of living systems".	K5	CO1
2	17	Explain the fluid mosaic model of plasma membrane with a neat diagram.	K5	CO2
3	18	Analyze the hierarchy of protein structures.	K4	CO3
4	19	Discuss about the 'DNA as genetic material'.	K6	CO4
5	20	Give an elaborate account on Gene regulation in Prokaryotes.	K6	CO5

Z-Z-Z

END