

Cont...

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.	Summarize the buffer system of biological fluid	K3	CO1
	(OR)			
	11.b.	Describe water as the biological solvent.		
2	12.a.	Explain the chemical reactions of monosaccharides.	K3	CO2
	(OR)			
	12.b.	Elucidate the properties of lactose and hyaluronic acid.		
3	13.a.	Illustrate the structure and functions of cholesterol.	K3	CO3
	(OR)			
	13.b.	Summarize the structure of DNA as proposed by Watson and Crick.		
4	14.a.	Illustrate the structure of essential amino acids.	K4	CO4
	(OR)			
	14.b.	Describe the functions of glycoproteins.		
5	15.a.	Discuss the deficiency manifestation of Vitamin B ₁₂ and K.	K3	CO5
	(OR)			
	15.b.	Elucidate the biological functions of serotonin and terpenes.		

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	Elaborate the types of chemical bond.	K5	CO1
2	17	Illustrate the structure and importance of storage polysaccharides.	K5	CO2
3	18	Describe the functions of phospholipids and tRNA .	K5	CO3
4	19	Elaborate on the tertiary structure of protein with a suitable example.	K4	CO4
5	20	Explain the functions of insulin and alkaloids.	K5	CO5

Z-Z-Z

END