



**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.	Enlist the classification of Enzymes with suitable examples.	K1	CO1
	(OR)			
	11.b.	Label the structure and functions of NAD <sup>+</sup> and NADP <sup>+</sup> .		
2	12.a.	Explain Isoenzymes with suitable example.	K2	CO2
	(OR)			
	12.b.	Outline the mechanism of carboxypeptidase.		
3	13.a.	Explain Line Weaver Burk blot.	K2	CO3
	(OR)			
	13.b.	Summarize testosterone and prostate cancer.		
4	14.a.	Explain enzymes as antioxidant.	K2	CO4
	(OR)			
	14.b.	Show the applications of enzymes in food , textile and leather industry.		
5	15.a.	Illustrate the components and applications of Optical Biosensor.	K2	CO5
	(OR)			
	15.b.	Outline the role of enzymes in Bioremediation.		

**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	Derive Michalis Mendel Equation.	K3	CO1
2	17	Explain Multi enzyme complex.	K2	CO2
3	18	Interpret the three types of Reversible Inhibitors.	K2	CO3
4	19	Summarize the Industrial applications of enzymes.	K3	CO4
5	20	Illustrate the methods of Immobilization and its applications.	K2	CO5

Z-Z-Z

END