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## B.Sc. (Part—II) Semester—IV Examination 4S: BIOCHEMISTRY

(Enzymology)

Time: Three Hours]					[Maximum Marks : 8	30	
Note:—(1) All questions are compulsory.							
			(2)	Draw well labelled diagrams when	ever	necessary.	
1.	(A)	A) Fill in the blanks:					2
		(i) A Coenzyme required in transamination is					
		(ii) In Line Weaver-Burk plot, the x-intercept represents					
		(iii)	In co	ompetitive inhibition, the inhibitor	petes with		
		(iv)		ions are cofactors for He	inase.		
	(B)	Cho	ose c	orrect alternative :		2	
		(i) The following Coenzyme takes part in hydrogen transfer reactions:					
			(a)	Tetrahydrofolate	(b)	Coenzyme A	
			(c)	Coenzyme Q	(d)	Biotin	9
		(ii) Lactate dehydrogenase is a:					
			(a)	Monomer	(b)	Dimer	
			(c)	Tetramer	(d)	Hexamer	
	(iii) Different isoenzymes of an enzyme have the same :					e same :	
			(a)	Amino acid sequence	(b)	Michaelis Constant	
			(c)	Catalytic activity	(d)	All of the above	
		(iv) Allosteric inhibition is also known as:					
			(a)	Competitive inhibition	(b)	Non competitive inhibition	
			(c)	Feedback inhibition	(d)	None of the above	
	(C)	Ans	wer i	n ONE sentence :—		4	
		(i) Marker enzyme					
		(ii) Km					
		(iii) Holoenzyme					
		(iv) Immobilized enzyme.					
2.		olain:					
	(a)	Metallo Enzymes					4
	(b)	Nomenclature of enzymes.					4
	(c) Isoenzymes.  OR						
VDC 15208							