Ascorbic acid.

Nicotinic acid.

(b)

(d)

Folic acid.

Citric acid.

(a)

(c)

V12	A	State if the given statements are true or false	[08]
	1	In active transport prokaryotic cell uses protes and	
	2	In active transport, prokaryotic cell uses proton motive force as source of energy. Signal peptides contains more positively charged aminoacids.	
	3	Temparature coefficient or O is defined.	
		Temparature coefficient or Q 10 is defined as increase in enzyme velocity velocity increased by 20 °C.	when
	4	Double reciprocal plot is also known as Hanes plot.	
<u>}</u> ,47	В	Give appropriate answers for the given blanks.	
	1		
	2	is an example of passive nutrient transport process.	
	3	anullolic damages cell membrane of protromates	
	4	The legion of enzyme which has binding and catalytic sites are termed as	
	4	scientist was involves in finding enzyme kinetics.	'
Q.3		Angyrouth of City	
Q.D	1	Answer the following short questions:-(Attempt any ten)	[20]
	1 2	What is facilitated diffusion? Write its characteristics.	L ~ 3
	3	What are signal peptides? Write its role.	
	4	Give example of permease protein involved in active transport of nutrient.	
	5	What are senii-syllinetic penicillins / Write its advantages	
	6	Write few ideal characteristics of a chemotherapeutic agent.	
	7	Give examples of antibiotics which damages cell membranes of microorganisms.	
	8	" That is producted group or enzyme	
	9	Define:- Coenzyme and Zymogen.	
	10	What is allosteric site?	
	11	What is active site of enzyme?	
	12	Draw the substrate saturation curve.	
	12,	What is Km?	
Q.4		Answer the following long greating (A)	
•		Answer the following long questions:-(Attempt any four)	[32]
	1	Write on Rinding protein transport	
	2	Write on Binding protein transport as mechanism of nutrient transport.	
	3	What are siderophores? Write its mechanism. Write in detail about antibiation in 1999.	
	4	Write in detail about antibiotics inhibiting protein synthesis of pathogens.	
	5	" nut is olidospoid; Explain various stages of gnomileties	
	6	Discuss the strategies for purification of enzymes.	ê
	7	Describe various factors affecting enzyme action.	
	8	Describe in detail M-M equation using steady state assumption. Describe enzyme inhibition in detail.	