

Notes	ce De	it is inexpensive					
Download	се De	4) A limiting substrate in the medium	1 point				
		Limits growth					
Interaction Session		Limits contamination					
TEXT		Limits product inhibition					
Transcription		Limits the production of unwanted by-product	f				
		No, the answer is incorrect.					
		Score: 0	7				
		Accepted Answers: Limits growth					
		5) Which of the following statements below are true?	1 point				
		Enzymes can be the products in a bioprocess					
		Enzymes can produce products of interest	8+				
		Microbes can produce enzymes which help in product formation					
		Enzymes do not take part in any bioprocess					
		No, the answer is incorrect.					
		Score: 0 Accepted Answers:					
		Enzymes can be the products in a bioprocess					
		Enzymes can produce products of interest					
		<i>Microbes can produce enzymes which help in product formation</i>6) In the Monod model for growth kinetics, with a single limiting substrate S, the plot of					
		6) In the Monod model for growth kinetics, with a single limiting substrate S, the plot of substrate concentration vs growth rate is					
		Linear					
		Rectangular hyperbolic					
		Sigmoidal					
		Cannot be determined					
		No, the answer is incorrect.					
		Score: 0					
		Accepted Answers: Rectangular hyperbolic					
		7) Which of the following statement/statements are true with respect to substrate utilization	1 point				
		under low level of substrate?	1 point				
		Substrate goes completely towards cell multiplication					
		Substrate is utilized only for product formation					
		Substrate is utilized for cell- maintenance activities					
		The rate of growth is now a difference between the true specific growth rate and endogenous metabolism constant					
		No, the answer is incorrect. Score: 0					
		Accepted Answers: Substrate is utilized for cell- maintenance activities The rate of growth is now a difference between the true specific growth rate and endogenou constant	s metabolis				
		8) In non-competitive inhibition, the inhibitor binds to	1 point				

	Subs	trate									
0	Enzyme										
Enzyme substrate complex											
	Both the enzyme and enzyme substrate complex										
	No, the answer is incorrect.										
Score		newere:				f					
	Accepted Answers: Both the enzyme and enzyme substrate complex										
9) Among the following, choose the suitable methods to estimate the total cell concentration of 1 pc a mold											
Dry weight											
	Optical density										
		ed cell volume				ξ+					
		uring the cell c		NA							
No, th		wer is incorred	ot.								
		nswers:									
	Dry weight										
Packed cell volume Measuring the cell contents like DNA											
10) Whic	10)Which of the following is true?										
	Km is dependent on the enzyme concentration										
	Km is	independent o	f the enzyme	concentration							
	Vm v	aries with enzy	me concentra	tion							
	Vm does not vary with enzyme concentration										
No, the answer is incorrect. Score: 0											
Acce	oted A	nswers:									
		endent of the er	-	ntration							
		ith enzyme con		and the second							
11)Cons	sider a	n enzyme subs	trate reaction	with the kinetic	data given below: 1 poin	ıt					
		[S1]=0.5M	[S2]=0.2M	[S3]=0.05M							
I[M]	1/V1	1/V2	1/V3							
	0.005	0.21	0.54 0.83	0.8 1.59							
	0.01	1.12	2.1	3.52							
					•						
Identify	the typ	e of inhibition:									
0	Com	petitive inhibitio	n								
0	Un-competitive inhibition										
	Non- competitive inhibition										
The inhibitor in this case does not cause any inhibition											
No, the answer is incorrect.											
	Score: 0										
Accepted Answers:											

