Registration no:																
Total Number of Pages: 02								²¹⁰ F	<u>B.Tech</u> PCBT4307	21						
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210		210	NI		210	Q.C	ODI	E: W	107		210		.	210	1	21
An	SW	er Question The fig						-	,			-			e rest.	
		•				.										
Q1		Answer the				ons:									(2 x 10)	
	a)	Define acryl		-		mnla		210			210			210		21
	b) c)	Explain turb Which phase						e sui	noac	s ma	ximu	m for	•			
	-,	antibiotics fe			_	-			-							
	d)	What is sac														
•	e)	Differentiate using flow d			eaba	аск	repre	essior	n and	reed	bacı	(innik	oition			
210	f)	In detergent	•		oteas	se e	ngine	eering	g play	ys a s	signif	icant	role.	210		21
	~ <i>1</i>	Explain it. Name two lip	nide an	d are	mat	tic co	mno	vunde	nroc	duco.	t hv	formo	ntation			۷1
į	g)	processes.	pius ai	iu aic	лпаι	iic cc	Jilipu	unus	pioc	uce	лоу	leiiile	illalion	ı		
	h)	Discuss imp							-	veme	ent.					
	i) :\	Explain aux							•			. F	ا ماما			
•	j)	α-amylase c	imers ii	rom į	s-am	ıyıas	e in	ineir i	moae	e or a	ICTION	ı. ⊑ xp	piain it.			
Q2 ₀		What do you of enzyme temperature	engine												(2+8)	21
Q3		Write notes	on any	two	of th	he fo	llowi	ng							(5+5)	
á	a)	Kinetics of c	ontinuo	ous c	ultur	re										

Q4 a) Define Enzyme engineering . Draw the flow diagram for the production

b) Describe purification of heterologous proteins

(5)

(5)

(5)

(5)

b) Site directed mutagenesis

Differentiate between:

b) Entrapment and Cross linking

a) Natural Media and Synthetic media

of acetic acid

Q5

Q6	Discuss detail steps precautionary measure				the (7+3)	
210	210	210	210	210	210	210
Q7	Describe in detail the	applications of	f enzymes in me	dical therapy.	(10)	
Q8 a)	Write short notes on: Site directed mutager	nesis			(5 x 2)	
210 b)	β-lactam antibiotics	210	210	210	210	210
210	210	210	210	210	210	210
210	210	210	210	210	210	210
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