No. of Printed Pages: 03 Roll No.

464

B. Tech. EXAMINATION, May 2018

(Fourth Semester)

(Old Scheme) (Re-appear Only)

(BT)

BT208

INDUSTRIAL MICROBIOLOGY AND ENZ. TECH.

Time: 3 Hours [Maximum Marks: 100

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note: Attempt any *Five* questions. All questions carry equal marks.

P.T.O.

(2-27/11) M-464

1.	(a) (b)	be selected by rDNA technique? 10		6.	Discuss the mechanism of action of enzymatic reaction and explain the significance of $K_{\rm m}$.	
2.		application in detail. cuss different techniques for preservanicrobes with advantages and disadvanta		7.	(a) (b)	How enzyme stability can be obtained by using protein engineering approach. 10 Elaborate mechanism of action of ribonuclease in detail. 10
3.	Write short notes on the following:			8.	Explain the following:	
	(a)	Lyophilization			(a)	Primers
	(b)	SSF			(b)	Immobilized enzyme
	(c)	Purification of citric acid			(c)	Point mutation
	(d)	Quoran. 5×4	=20		(d)	HPLC. $4\times5=20$
4.	reco	te in detail about source, fermentativery and purification of pencillin able graph.	,			
5.	(a)	Discuss industrial production of beer wine in detail.	and 10			
	(b)	How amylase enzyme produindustrially? Discuss its application	n in			
M-4	164	industry.	10	(2-27	/12) M	-464 3 ??
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