Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and for equations written eg, 42+8 = 50, will be treated as malpractice.

GBCS Scheme

USN			15BT63
		Sixth Semester B.E. Degree Examination, June/July 2018	
Enzyme Technology and Biotransformation			
Tim	ie: 3	3 hrs. Max. Ma	rks: 80
Note: Answer any FIVE full questions, choosing one full question from each module.			
		Module-1	
1			(10 Marks)
	b.	"Enzymes can serve as catalysts better than chemicals" – Justify the statement.	06 Marks)
2	a.	Write about the advantages and disadvantages of using whole cell systems as catal	viata villa an
2	a.	1 / 1 //1/2	(08 Marks)
	b.		(08 Marks)
		Module-2	
3	a.	Give a brief account on: i) ACE inhibitors ii) Immuno reactive trypsinogen.	
	b.	777 '. 'A'	(08 Marks) (08 Marks)
		OR	(oo marks)
4	a.	Give a brief account on: i) Glucose – 6 phosphate dehydrogenase ii) Chymotry	ypsin, 🔊
/IL	b.	TYT ! I I I I OTH ! I III	08 Marks)
	70.		08 Marks)
5	a.	Module-3 Discuss about the Fixed incubation method to measure enzyme activity.	(08 Marks)
	b.	Brief about the methods used for investigating the kinetics of enzyme – catalyzed r	
			(08 Marks)
6	a.	OR Write about the techniques for enzyme immobilization along with their pros and co	ne
			(08 Marks)
	b.	Explain the effect of solute partition on the kinetics of immobilized enzymes.	(08 Marks)
-		Module-4	
7	a.	Define the term: Biotransformation. With any two examples, explain the catalyzed biotransformation.	enzyme – (08 Marks)
	b.	Discuss about the characteristics and applications of Biocatalysts from Hyper and e	
		thermophilic microorganism.	(08 Marks)
_		OR	
8	a. b.		(08 Marks)
	υ.	W/L-3	(08 Marks)
9	a.	Write about Myocardial infraction and highlight the pattern of LDH enzyme.	(08 Marks)
	b.		(08 Marks)
		OR	
10	a.	Write a short note on: i) Therapeutic enzymes ii) Enzymes and Inborn	
	h		(08 Marks) (08 Marks)
	٥.	i) Hydrolysis of cellulose to glucose ii) Glucose Oxidation and Catalase action	

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