F. Y. B. SC. (BIOTECHNOLOGY) SEM – II (CBCS - 2015

COURSE): SUMMER - 2018

SUBJECT: BIOCHEMISTRY-I

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Day Date		Ionday 9/04/2018	S-2018-1047	Time 02.00 PM TO 0 Max.Marks.60	
N.B.	1) 2) 3) 4) 5)	Answer ANY TWO questions from Q. No. 2, 3, and 4 in section- I Answer ANY TWO questions from Q. No. 6, 7, and 8 in section- II Answer the questions of section-I and section- II in SEPARATE answer books.			
			SECTION-I		
Q.1	a) b) c) d) e) f)	What is biocatalys What are purine ba What are 'N' and 'What is ultra-centr Draw the structure	ses? Draw their structure. C' terminals of polypeptide?	(10) P	
Q.2	a) b)	each class, with th	are classified based on 'R' groups?	Give two examples from	
Q.3	a) b)		ring: ypes of mRNA, their structures and ond? Explain in detail its properties.		
Q.4	a) b)	Write short notes of Glycoprotein Classification of p	on following:	(10)	
			SECTION-II		
Q.5	a) b)	Attempt the follow Explain different t What are vitamins' class.	ving questions: ypes of filtration techniques. ? How they are classified? Give suit	(10) able examples from each	
Q.6	a) b)	examples.	ing: oldonersisential amino acids? een DNA and RNA molecules.	(10) Explain with suitable	
Q.7	a) b)	Answer the follow Explain in detail D Explain the princip	ing: ensity Gradient method for separat ble and applications of Affinity Chr	(10) ion of biomolecules. omatography.	
Q.8	a) b)	Answer in brief: Explain the Flame Explain the biolog	photometry technique. ical role of any four essential miner	(10) rals.	