M. SC. (Microbiology) SEM-II (C.B.C.S.) (2012 COURSE): WINTER 2018

SUBJECT: ELECTIVE – (B) PHYSIOLOGY AND METABOLISM

Day Date	: -Monday : 15/10/2018 W-2		W-2018-1028	Time: 03.00 PM TO 06.00 PM Max. Marks: 60.
N.B.:	1) 2) 3)	Figures to	ns are COMPULSORY. the RIGHT indicate full marks. labeled diagrams WHEREVER	necessary.
Q.1	Wh	at is protein enz	yme? Describe the mechanism o	f feedback control. (15)
			OR	
		at is hemoglobi ding.	n? Describe the changes in he	moglobin structure on oxygen
Q.2	Attempt the following:			
	a) b)		ture and biosynthesis of phospholuble vitamins.	olipids in bacteria? (10) (05)
Q.3	Attempt any THREE of the following:			(15)
	a)b)c)d)	Photochemica Endocrine glan	on of eicosanoids. I centers. Index and their secretion. I bolism of glutamate synthase.	
Q.4	Write short notes on any THREE of the following:			(15)
	a)b)c)d)	Non-protein e	in photosynthesis. nzymes and their functions. Tunctioning of X-ray crystallogra ymes.	iphy.

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