M. Sc. (Biotechnology) Sem-II / M. Sc. (Medical Biotechnology) Sem-II (CBCS 2018 Course): SUMMER - 2019

SUBJECT: GENOMICS & PROTEOMICS

Day Date	:	Monday 15/04/2019	S-2019-1430	Time : 02.00 PM 7 Max. Marks : 60	TO 05.00 PM
N. B.	: 1) 2) 3)	Figures to	ns are COMPULSORY. the right indicate FULL mark both the sections should be w		inswer books.
SECTION - I					
Q.1		Define Any FIVE of the following:			(10)
	a)b)c)d)e)f)	Bioinformatics BLAST Genome Anno OMIM Multiple seque Operon	otation		
Q.2		Attempt Any	TWO of the following:		(10)
	a)b)c)	Differentiate b	etween Needleman-Wunsch a etween structural Genomics a tion of genes with the help of	nd Functional Genomics.	rithm.
Q.3		Attempt Any	TWO of the following:		(10)
	 a) What are different generations of sequencing? Explain with example. b) Explain hierarchy of Biological databases with example. c) Write a note on Genetic disorder databases. 				
SECTION - II					
Q.4		Define Any FI	VE of the following:		(10)
	a)b)c)d)e)f)	MGD Tertiary structor Protein engine PROCHECK Gene Synteny STRING database	ering		
Q.5		Attempt Any TWO of the following:			(10)
	a) b) c)	Explain differe	ent protein primary databases. ent comparative genomics data ons and scope of proteomics.	ıbases.	
Q.6		Write short no	tes on Any TWO of the follow	ving:	(10)
	a) b) c)	Any two secon Proteomics and Structure visua	-	rithms	

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