M. Sc. Bioinformatics Sem.-III (2013 Course) (Choice Based Credit Systems): SUMMER - 2019 SUBJECT: COMMERCIAL BIOINFORMATICS

Day: Date:	Tuesda 02/04/2		0 PM TO 05.00
N.B	1)	Q.No.1 and Q.No.5 are COMPULSORY. Out of the remaining, attempt TWO from each section.	ot ANY
	2)	Answers should be written in SAME answer book.	
	3)	Figures to the right indicate FULL marks.	
	4)	Draw neat labeled diagram WHENEVER necessary.	
		SECTION- I	
Q.1		Define:	(10)
	a)	Commercial Bioinformatics	
	b)	HTS Microcorrect	
	g)	Microarray IPR	
	d) e)	Pharmacogenomics	
	e)	Pharmacogenomics Anguer ANY TWO of the fellowing:	
Q.2		Answer ANY TWO of the following:	(10)
C	a)	What is a role of Phrap and Phread in genome assembly?	(10)
	b)	Write a short note on Proteomics.	
	c)	How genomics plays an important role in medicine?	
0.2		Write short notes on ANY TWO of the following:	(10)
Q.3	a)	Drug Discovery	(10)
	a) b)	Disease Monitoring	
	c)	Pharmacokinetics	
Q.4		Explain the role of IPR in bioinformatics. Enlist suitable examples. OR	(10)
		Write in detail on bioinformatics patents.	
		SECTION II	
0.5		Explain why:	(10)
Q.5	a)	This branch of bioinformatics is called as systems biology.	(10)
	a) b)	Agro-bioinformatics is a need of an hour.	
	c)	Metagenomics is opening unknown world in front of scientists.	
	d)	NGS technologies should be cheaper.	
	e)	Big data represents by 'V'.	
7		Explain the basic principal of working of ANY TWO of followi	ng (1M)
Q.6		companies:	(10)
	a)	Accelrys	
	b)	CLCbio	
	c)	Strand Life Sciences	
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Q. 7		Write short notes on ANY TWO of the following:	(10)
	a)	Neuro-bioinformatics	
	b)	Epigenetics	
	c)	Glycobiology	
2.8		Enlist and explain NGS principles based company profiles.	(10)
		OR	()
		Describe C-DAC bioinformatics facilities in brief.	