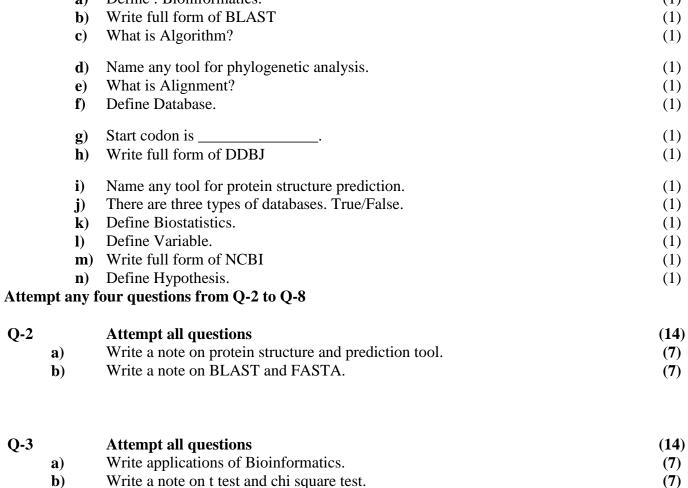
Enro	llment No:			
		C.U.SHAH U	UNIVERSITY	
		Summer Ex	amination-2018	
Subje	ect Name : I	Bioinformatics and Biostatis	stics	
Subje	ect Code : 4	SC04BIB1	Branch: B.Sc. (Microbiology)	
Seme	Semester: 4 Date: 01/05/2018		Time: 10:30 To 01:30	Marks: 70
(3	Draw near	ons written on main answer be at diagrams and figures (if necessitable data if needed.	•	(14)
	b) Write fc) What isd) Name a	: Bioinformatics. full form of BLAST s Algorithm? any tool for phylogenetic anal	lysis.	(1) (1) (1)
	,	s Alignment? Database.		(1) (1)
		odon is full form of DDBJ		(1) (1)
	i) Name a	any tool for protein structure	prediction.	(1)





Q-4		Attempt all questions	(14)
	a)	Write a note on RASMOL.	(4)
	b)	Write applications of Bioinformatics.	(7)
	c)	Explain merits and demerits of standard deviation.	(3)
Q-5		Attempt all questions	(14)
	a)	Write a brief note on Biological Databases.	(14)
Q-6		Attempt all questions	(14)
	a)	Write a brief note on Phylogenetic analysis.	(14)
Q-7		Attempt all questions	(14)
	a)	Write a note on NCBI and EMB.	(6)
	b)	Give merits and demerits of Mean.	(3)
	c)	The incubation periods of a random sample of 7 HIV infected individuals is given below (in years): 12.0, 10.5, 9.5, 6.3, 13.5, 12.5, 7.2. Calculate Mean, Median, SD, Variance.	(5)
Q-8		Attempt all questions	(14)
	a)	Write a note on Local and Global Alignment.	(7)
	b)	Give merits and demerits of Mode.	(3)
	c)	Find the Range, Mean, Median, Mode of the data set below 3, 12, 15, 3, 15, 8, 20, 19, 3, 15, 12, 19, 9	(4)

