Roll No Total Pages : 0							02			
					10					
			GSM/J-2	21		164	44			
BIOTECHNOLOGY										
Bioinformatics										
Paper : IX										
Time : Three Hours]				[Maximum Marks : 40						
Note: Question No. 1 is compulsory. Attempt four other										
questions, selecting two questions from each Unit. All										
questions carry equal marks.										
(Compulsory Question)										
(Compuisory Question)										
1.	Full	form of tl	ne following:			4×2	2=8			
	(a)	DNA								
	(b)	BLAST								
	(c)	NCBI								
	(d)	FASTA.								
Unit I										
2	(a)	Dofina D	Bioinformatics.				4			
2.	(a)			:	0.14404-4	aituatio :-	·			
	(b)		Bioinformatics	ın	current	situation	of			
		Covid-19					4			

(5)L-1644

	(b)	Name and detail about a Protein Structural Database	١.
		•	5
4.	(a)	Define Genomics.	3
	(b)	Write a short note on Experimental approach to)
		Genome Sequence Data.	5
		Unit II	
5.	(a)	Write a short note on Pairwise sequence analysis.	1
	(b)	Define Multiple Sequence Alignment.	2
	(c)	How MSA is different from Pairwise Sequence	Э
		Alignment ?	2
6.	Write	e short notes on the following: $4\times2=8$	3
	(a)	PDB	
	(b)	PIR.	
7.	Diffe	rentiate between BLAST and FASTA.	8

3

3. (a) Define Protein Sequence.