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M.Sc. (Part—I) Semester—II (CBCS Scheme) Examination BIOCHEMISTRY

Paper—VIII

(Bioinformatics, Biostatistics and Research Methodology)

Tin	ne—-1	Three Hours] [Maximum Marks-	80				
	Not	e:— All questions are compulsory and carry equal marks.	r				
I.	(a)	Describe Basic Components of Computer.	5				
	(b)	Explain Operating System.	5				
	(c)	What are storage devices?	6				
OR							
	(p)	Compare and contrast Hardware and Softw	are ?				
	(q)	Explain Programming Languages.	5				
	(r)	Describe Input and Output devices.	6				
2.	What is Internet? Describe in detail its uses and how it plays a role in communication?						
OR							
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	plain BLAST tool with the help of Bioinform	16 5
(a)	Explain Probability Theory.	
(b)	Explain F-test.	5
(c)	Calculate Mean for the given values:	
	10, 18, 17, 19, 10, 15, 11, 17, 12.	6
	OR	
(p)	Explain Random variable and distributions.	oution 5
(q)	Explain student's t-test.	5
(r)	Calculate Median for the given values:	
	10, 13, 17, 22, 27, 30, 31, 32.	6
Ex	nat is the design of experiments in biochem plain the experimental methodology with the scientific research.	nistry ? ne help 16
	OR	
	nat are sampling techniques? How do they search methods? Give its proper significances.	
(a)	How to prepare a scientific report? Des	scribe. 5
(b)	Write about order of paragraph writing.	5

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(c)	Explain the importance of research methodology.	
(p)	OR Explain how to do research study. Treview	5 of 5 a. 6
(r)	Explain interpretation -	

(Contd.)