M.Sc.(Microbiology) CBCS Pattern Semester-IV **PSMBT-16 - Paper-IV : Biostatistics and Bioinformatics**

P. Pages: 1 Time: Three Hours		ours * 6 4 1 2 * Max. Ma	
1.	Describe use of probability in solving biological problems in detail		16
		OR	
	a)	Write a note on descriptive statistics.	8
	b)	Write a note on presentation of biological data.	8
2.	Wh	at is correlation? Explain it's significance in biological studies in detail.	16
		OR	
	a)	Write a note on Regression.	8
	b)	Add a note on Analysis of variance.	8
3.	Wri	ite in details about Expressed Sequence Tag (EST) and Protein Data Bank (PDB).	16
		OR	
	a)	Write a note on information networks.	8
	b)	Add a note on Role of NCBI	8
4.	Des	scribe in detail about prediction of protein structure and function from it's sequence.	16
		OR	
	a)	Write a note on Biological databases.	8
	b)	Write a note on DNA sequence Analysis	8
5.	Write a note on-		
	a)	Chi-square test.	4
	b)	ANOVA	4
	c)	Chaperson sequence Analysis.	4
	d)	FASTA	4
