

F.Y.M.Sc.-II (Microbiology) Fourth Semester Old
MB4-T016 - Biostatistics & Bioinformatics Paper – IV

P. Pages : 1

Time : Three Hours



GUG/W/18/2416

Max. Marks : 80

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1. Discuss
- a) Bar diagrams. 8
 - b) Histograms. 8

OR

Discuss in detail the probability and the applications of probability to biological problems. 16

2. Write in detail.
- a) Hypothesis. 8
 - b) Type I & Type II errors. 8

OR

What is correlation? Describe in detail Karl Pearson's coefficient of correlation and its interpretation. 16

3. What are information networks? Describe about HTTP and HTML. 16

OR

Write note on.

- a) Homology. 8
 - b) Analogy. 8
4. What are biological databases? Explain with respect to BLAST and FASTA? 16

OR

Write note on.

- a) Genomic information resources. 8
 - b) Specialized genomic resources. 8
5. Write note on.
- a) Chi square Test. 4
 - b) Simple linear regression. 4
 - c) The National centre for Biotechnology information. 4
 - d) Protein data Bank. 4
