

B.Sc. Semester - 2 (NEP-2020) Examination**MARCH/APRIL-2025****BIT: Biostatistics, Biocomputing and Bioinformatics (Major-3)****Time: 2:00 Hours****Marks: 50****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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|-------|---|------|
| Que-1 | (1) Define Sample. Explain in detail about sampling techniques. | (05) |
| | (2) Write a detail note on Mean. | (05) |
| OR | | |
| Que-1 | (1) Define Data? Explain in detail about presentation of Data. | |
| | (2) Write in detail about application, merits and demerits of standard deviation. | |
| Que-2 | (1) Explain in detail about student's t- Test. | (05) |
| | (2) Write in detail application about analysis of variance. | (05) |
| OR | | |
| Que-2 | (1) Explain application about chi-square Test | |
| | (2) write in detail about probability. | |
| Que-3 | (1) Explain in detail about word program of MS-office | (05) |
| | (2) Describe internet and its types in detail. | (05) |
| OR | | |
| Que-3 | (1) Write in detail about Excel | |
| | (2) Explain in detail about computer structure and its use. | |
| Que-4 | (1) Define Bioinformatics. Explain scope and application of Bioinformatics in detail. | (05) |
| | (2) Describe Gene bank file format in detail. | (05) |
| OR | | |
| Que-4 | (1) Write in detail about biological database. | |
| | (2) Write in detail about non sequence database. | |
| Que-5 | (1) List out measures of dispersion and explain any four in detail. | (05) |
| | (2) Define Probability. Explain types of probability in detail. | (05) |
| OR | | |
| Que-5 | (1) Write a detail note on Power point | |
| | (2) Explain in detail about EMBL file format | |
