

B.Sc. Semester - 2 (NEP-2020) Examination**JUNE – 2024****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.

Que.1 (A) What is Biostatistics? Explain scope and application of Biostatistics in detail (05)

(B) Define sample and population and explain with example. (05)

OR

Que.1 (A) Differentiate between harmonic mean and Geometric Mean (05)

(B) Explain in detail about Median (05)

Que.2 (A) Define probability and its types. (05)

(B) Describe application of student t' test in biological science (05)

OR

Que.2 (A) Define Analysis of variance. Write in detail about its biological applications (05)

(B) Write a detail note on Chi square' test. (05)

Que.3 (A) Explain in detail about Paint in computer (05)

(B) Write a detail note about MS-Powerpoint (05)

OR

Que.3 (A) Explain in detail about Internet (05)

(B) Explain steps about email address setup in detail. (05)

Que.4 (A) Define Bioinformatics. Scope and goals of Bioinformatics (05)

(B) Explain in detail about different types of file format (05)

OR

Que.4 (A) Write a detail note on Nucleotide sequence database (05)

(B) Explain in detail about PDB (05)

Que.5 (A) Describe Binomial distribution of probability (05)

(B) What is data? Explain about data collection and processing (05)

OR

Que.5 (A) Write a note on MS-Excel (05)

(B) Explain in detail about OMIM (05)
