

B.Sc. Semester - 2 (NEP-2020) Examination

MARCH/APRIL-2026

MIC: Basic Computer & Biostatistics (Multidisciplinary Course)

Time: 2:00 Hours

Marks:50

Instructions:

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

Que.1 1) Explain the generations of computers with suitable examples. (05)

2) Describe the basic components of a computer system. (05)

OR

Que.1 1) Define hardware and software. Explain different types of software. (05)

2) Explain the classification of computers based on size and function. (05)

Que.2 1) Explain the scope and applications of statistics in biological sciences. (05)

2) Differentiate between sample and population with suitable examples. (05)

OR

Que.2 1) Explain the principles of statistical analysis of biological data. (05)

2) Write short notes on sampling errors and censoring. (05)

Que.3 1) Explain the measures of central tendency. Describe mean, median and mode. (05)

2) Explain standard deviation and variance as measures of dispersion. (05)

OR

Que.3 1) Define probability. Differentiate between discrete and continuous random variables. (05)

2) Explain correlation and regression with biological examples. (05)

Que.4 1) Explain testing of hypothesis and level of significance. (05)

2) Write a note on t-test and Z-test. (05)

OR

Que.4 1) Explain Chi-square test and its applications in biological studies. (05)

2) Write short notes on confidence interval and degree of freedom. (05)

Que.5 1) Write a note on electronic mailing and search engines. (05)

2) Explain the importance of internet and its requirements. (05)

OR

Que.5 1) Define skewness and kurtosis. (05)

2) Explain large sample and small sample tests. (05)
