

M.Sc. - I (Zoology) (NEP Pattern) Semester-I
NEP-84-1 / 01MSCZO04-1 - Major Elective - Paper-I : Bioinformatics
Biostatistics and Biotechniques

P. Pages : 1

Time : Three Hours



GUG/W/23/15146

Max. Marks : 80

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Draw well labeled diagram wherever necessary.

1. Describe in detail Introduction & Scope of Bioinformatics. 16

OR

Write notes on:

- a) Biological database. 8
- b) Sequence alignment. 8

2. Explain in detail the Measures of central tendency. 16

OR

Write notes on:

- a) Standard Deviation. 8
- b) Measures of dispersion. 8

3. What are the types and methods of correlation and regression, differentiate them with suitable example. 16

OR

Write notes on:

- a) ANOVA 8
- b) t-test & chi-square test. 8

4. Explain in detail Principal, working of Electron Microscope. 16

OR

Write notes on:

- a) Centrifuge. 8
- b) Chromatography 8

5. Attempt the following: 16

- a) Tree style analysis.
- b) Range and mean deviation.
- c) Regression line
- d) ELISA
