

M.Sc. (Zoology) (NEP Pattern) Semester-I
NEP-85 / 01MSCZO05 - Research Methodology

P. Pages : 1

Time : Three Hours



GUG/S/25/15151

Max. Marks : 80

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

- 1. Write an account on Dissertation- structure, components and presentation of results. 16**

OR

Write notes on:

- a) Types of research and research objectives
- b) Search of articles

- 2. Write an account on hypothesis sampling, data processing, Analysis and Interpretation. 16**

OR

Write notes on:

- a) Methods and tools of data collection.
- b) Biostatistics for analysis of biological data.

- 3. Write an account on NMR Spectroscopy. 16**

OR

Write notes on:

- a) Fluorescence Microscopy
- b) Western blotting

- 4. Give an account of Good Laboratory Practice (GLP) and bioethics. 16**

OR

Write notes on:

- a) CPCSEA guidelines
- b) Trade related aspects of IPR

- 5. Attempt the following: 16**

- a) Impact Factor
- b) Application of bioinformatics in research.
- c) DNA microarray
- d) Plagiarism
