

M.Sc. (Biotechnology) (CBCS Pattern) Sem-IV
PSBIT-116 - Research Methodology and Biostatistics
Paper-IV

P. Pages : 1

Time : Three Hours



GUG/W/22/11354

Max. Marks : 80

Notes : 1. All questions carry equal marks.

1. Discuss about concept of Research design in details. **16**
OR
a) Write a detailed note on design of Research. **8**
b) Describe various steps in Research process. **8**
2. Discuss the details of sampling & Data collection. **16**
OR
a) Write a detailed note on field studies. **8**
b) Describe in details about Exploratory & Descriptive basis of research methodology. **8**
3. Describe in details about measures of dispersion with reference to Range, mean deviation & standard deviation. **16**
OR
a) Discuss in details about sampling & Different errors. **8**
b) Discuss the different measures of central tendency. **8**
4. What is cluster analysis? Discuss phylogenetic clustering in details. **16**
OR
a) What is co-relation? Add a note on Chi-square test. **8**
b) Discuss the presentation of statistical data by Tabulation. **8**
5. Write a note on:-
a) Objectives of Research. **4**
b) Qualitative Research. **4**
c) Probability. **4**
d) Charts & Diagrams. **4**
