

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

P. Pages : 1

Time : Three Hours



GUG/W/23/11354

Max. Marks : 80

1. Explain the concept of research design in detail. **16**

OR

a) Explain types of research design. **8**

b) Explain role of motivation in research. **8**

2. Discuss different techniques of sampling. **16**

OR

a) Discuss descriptive research with reference to its characteristics and methods. **8**

b) Discuss qualitative research. **8**

3. What is dispersion? Discuss different measures of statistical dispersion. **16**

OR

a) Discuss mode as a measure of central tendencies. **8**

b) Write a note on sampling error. **8**

4. Discuss different methods of presentation of statistical data. **16**

OR

Write a note on and explain. **16**

a) Chi-square test.

b) Correlation and regression.

5. Write a note on.

a) Motivation in research. **4**

b) Design of research. **4**

c) Median. **4**

d) Phylogenetic clustering. **4**
