

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

P. Pages : 1

Time : Three Hours



**GUG/S/23/11354**

Max. Marks : 80

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1. Describe in detail about objectives of research and role of motivation in research. **16**

**OR**

a) Give an account on Research methodology. **8**

b) Describe in detail about steps involved in research process. **8**

2. Describe in detail about descriptive research. **16**

**OR**

a) Give a detail account on research design. **8**

b) Write a note on sources of data. **8**

3. Describe different methods of sampling in detail. **16**

**OR**

a) Write a note and explain on central tendency. **8**

b) Give a detail account on measures of dispersion. **8**

4. Describe in detail about cluster analysis. **16**

**OR**

a) Write a detail note on chi-square test. **8**

b) Give an account on use of charts & diagrams in biostat. **8**

5. Write a note on :

a) Pure and applied research. **4**

b) Field studies in research. **4**

c) Probability significance. **4**

d) Presentation of data. **4**

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