

M.Sc.(Botany) (NEP Pattern) Semester-I
NEP-05 / 01MSCB5 - Paper-V : Research Methodology

P. Pages : 1

Time : Three Hours



GUG/W/23/15069

Max. Marks : 80

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

1. Define research. describe objectives, characteristics and types of research. **16**

OR

Write notes on:

a) Methods of research **8**

b) Importance of literature review in defining a problem. **8**

2. Give a details account of exploratory research design. **16**

OR

Write notes on:

a) Experimental design **8**

b) Biological data **8**

3. Explain univariate and bivariate data analysis. **16**

OR

Write notes on:

a) Research paper and ethical issues related to publication. **8**

b) Concept of statistical population and bar charts. **8**

4. Define IPR and describe its different types. **16**

OR

Write notes on:

a) Concept of measurement in research. **8**

b) Levels of measurement. **8**

5. Write short note on:

a) Null Hypothesis. **4**

b) Biased and unbiased research design. **4**

c) Characteristics of good sample. **4**

d) Validity and reliability **4**
