

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
