

M.Sc. - I (Environmental Science) (NEP Pattern) Semester-I
NEP-45 / RMENVT05 - Paper-V : Research Methodology

P. Pages : 1

Time : Three Hours



GUG/W/23/15102

Max. Marks : 80

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Illustrate the answers with suitable diagrams and examples.

1. Explain types of research. Discuss significance of research. **16**

OR

a) Describe the necessity of defining the problem. **8**

b) Explain objectives of research. **8**

2. Discuss need for research design. Give features of a good research design. **16**

OR

a) Explain steps in sampling design. **8**

b) Describe characteristics of a good sample design. **8**

3. Discuss how collection of data through questionnaires and schedules is carried out. **16**

OR

a) Explain difference between survey and experiment. **8**

b) Describe guidelines for successful interviewing. **8**

4. Explain meaning and need of interpretation. Give significance of report writing. **16**

OR

a) Describe mechanism of writing a research report. **8**

b) Discuss the steps in writing a report. **8**

5. a) Explain importance of knowing how research is done. **4**

b) Describe basic principles of experimental design. **4**

c) Give difference between questionnaires and schedules. **4**

d) Explain the precautions taken for writing research reports. **4**
