

**P-499**

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## **EVS-505**

### **Research Methodology for Environmental Studies**

M.Sc. Environmental Science (MSCES)

1st Semester Examination, 2023 (June)

**Time : 2 Hours]**

**Max. Marks : 70**

**Note :** This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

### **SECTION-A**

#### **(Long Answer Type Questions)**

**Note :** Section 'A' contains Five (05) long answer type questions of Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.

(2×19=38)

1. Describe various steps for the selection of research problems.

2. Define central tendency. Explain mean deviation and standard deviation with example.
3. Define the various processes and problems of data preparation.
4. Elaborate various procedures and testing of hypothesis.
5. Explain use of remote sensing in land use and land cover change analysis.

## **SECTION-B**

### **(Short Answer Type Questions)**

**Note :** Section 'B' contains Eight (08) short answer type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only. (4×8=32)

1. Define the need and features of good design.
2. Define probability and non-probability sampling designs.
3. What do you understand by population and sample ?
4. Define the multi-dimensional scaling.
5. Differentiate between primary and secondary data.

6. Define median.
  7. What is chi-square test ? Explain.
  8. Define ANOVA and ANOCOVA.
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