

# C952

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## EVS-505

### Research Methodology for Environmental Studies

M.Sc. Environmental Science(MSCES-21)

Is Semester Year Examination, 2022 (June)

**Time : 2 Hours]**

**Max. Marks : 80**

**Note :** This paper is of Eighty (80) 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 Twenty (20) marks each. Learners are required to answer any Two (02) questions only.

(2×20=40)

1. What is research methodology? Discuss the role and Importance of Research in Environmental Studies in detail.

2. What is research problem? Discuss about the current environmental research problems in India.
3. Explain types of sampling designs in detail.
4. What is sampling? Explain the random sampling and stratified random sampling with suitable example.
5. What is scaling? Discuss the classification of the measurement scale in detail.

## **SECTION-B**

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

**Note :** Section 'B' contains Eight (08) short answer type questions of Ten (10) marks each. Learners are required to answer any Four (04) questions only. (4×10=40)

1. Discuss the criteria for good research.
2. Differentiate between non-probability sampling errors and probability sampling errors.
3. Differentiate between the qualitative and quantitative data.
4. Discuss important methods of factor analysis.

5. What do you understand by regression? How you can analyze linear regression?
  6. Write short notes on Cluster Analysis with suitable example.
  7. What do you understand by canonical correlation? Explain with example.
  8. What do you understand by multivariate analysis? Briefly discuss the characteristics and applications of multivariate analysis.
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