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**REV-001**

**Ph. D. IN ENVIRONMENTAL SCIENCE  
(PHDEV)**

**Term-End Examination**

**December, 2022**

**REV-001 : RESEARCH METHODOLOGY—I**

*Time : 3 Hours*

*Maximum Marks : 100*

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***Note :** Answer any **five** questions. All questions carry equal marks.*

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1. Define research methodology. Describe the characteristics and types of research. 20
2. Design a research proposal in the field of your expertise relating to environmental problems. 20
3. Discuss the role of IPR in research and development. 20
4. Define hypothesis. Discuss formulation of hypothesis, types of hypothesis and methods of testing hypothesis. 20

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5. Describe the various environmental sampling methods with examples. 20
6. What is meant by ethics ? What is plagiarism and how can you check the same for your research reports ? 20
7. Discuss the various problems encountered by researchers in India in the field of environmental sciences. 20
8. Discuss the importance of literature review in conducting research. 20