

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

Term-End Examination

December, 2018

REV-001 : RESEARCH METHODOLOGY - I

Time : 3 hours

Maximum Marks : 100

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- Note :** (i) *All questions carry 20 marks.*
(ii) *Answer any five questions out of eight.*
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1. Define research methodology. Describe the characteristics and types of research. **20**
2. Describe the importance of IPR in research and development. **20**
3. Design a research proposal in the area of applied environmental science research. **20**
4. Describe the various environmental sampling methods with suitable examples. Write a note on data collection and analysis. **20**
5. Describe the basic concepts in writing research papers for journals. Explain double blind and peer-review processes in publishing scientific research. **20**

6. Give a detailed account of the major emerging areas in interdisciplinary research. 20
 7. What do you mean by hypothesis ? Describe the types of hypothesis and methods of testing hypothesis. 20
 8. What are the problems encountered by researchers in India in the area of Environmental Sciences ? 20
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