

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

Term-End Examination

December, 2018

REV-002 : RESEARCH METHODOLOGY - II

Time : 3 hours

Maximum Marks : 100

*Note : (i) Answer **any five** questions.*

*(ii) Each question carry **equal** marks.*

1. Prepare a detailed research proposal on your proposed research topic. 20
2. Explain the significance of literature review and bibliography in a research report. 20
3. Discuss various software packages available for analysing the research data in the field of environmental science. 20
4. What is the meaning of descriptive statistics ? Explain the use of its various tools in the environmental research. 20
5. (a) What are the basic concepts in writing a research paper ? 10
(b) What do you mean by interpretation and generalization ? 10

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| 6. | Explain the role of binomial and normal distributions in environmental research. | 20 |
| 7. | (a) Discuss various environmental sampling methods. Explain its suitability in environmental research. | 10 |
| | (b) Distinguish between sampling and non sampling errors. | 10 |
| 8. | (a) Explain the conditions for applying chi - square test. | 10 |
| | (b) Explain the procedure involved in testing of hypothesis. | 10 |
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