

No. of Printed Pages : 2

REV-002

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

Term-End Examination

December, 2022

REV-002 : RESEARCH METHODOLOGY—II

Time : 3 Hours

Maximum Marks : 100

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

1. (a) Explain the procedure involved in testing of hypothesis. 10
(b) Explain the conditions for applying Chi-square test. 10
2. Describe the role of binomial and normal distributions in environmental research. 20
3. How is a draft research report prepared ? Explain various steps involved in it. 20
4. (a) Distinguish between sampling and non-sampling errors. 10

P. T. O.

[2]

- (b) What are the statistical techniques for testing of significance and confidence intervals of the research data ? Explain them. 10
5. Explain the significance of literature review and bibliography in a research report. 20
6. (a) What are the basic concepts in writing a research paper ? Explain. 10
- (b) What is meant by interpretation and generalization in research methodology ? 10
7. (a) What is meant by hypothesis ? List out different types of hypothesis. 10
- (b) Explain briefly about statistical methods of testing hypothesis. 10