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MEV-019

**MASTER OF SCIENCE
(ENVIRONMENTAL SCIENCE)
(MSCENV)**

Term-End Examination

June, 2023

**MEV-019 : RESEARCH METHODOLOGY FOR
ENVIRONMENTAL SCIENCE**

Time : 3 Hours

Maximum Marks : 100

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

1. Write short notes on the following : 5+5
 - (a) Quantitative Research
 - (b) Qualitative Research
2. What is literature review ? Explain the different types of literature review. 2+8
3. Write short notes on the following : 5+5
 - (a) Types of data table
 - (b) Applied Research

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4. Explain the different types of research design. 10
5. Write short notes on the following : 5+5
 - (a) Arithmetic mean
 - (b) Coefficient of variation
6. Explain the importance of peer review in the advancement of scientific research. 10
7. Write short notes on the following : 5+5
 - (a) Median
 - (b) Standard deviation
8. What is scatter diagram ? Explain the use of scatter diagram in correlation analysis. 2+8=10
9. What is regression ? Explain the salient properties of regression coefficient. 2+8
10. Write short notes on the following : 5+5
 - (a) F-distribution
 - (b) Chi-square distribution
11. Write short notes on the following : 5+5
 - (a) Plagiarism
 - (b) Copyright

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12. Write short notes on the following : 5+5
- (a) Frequency distribution
 - (b) Data visualization
13. Write short notes on the following : 5+5
- (a) Data collection
 - (b) Remote sensing
14. Write short notes on the following ; 5+5=10
- (a) Correlation
 - (b) Level of significance