

Reg. No

Name

M. Sc DEGREE END SEMESTER EXAMINATION - OCTOBER 2019
SEMESTER 1 : ENVIRONMENTAL SCIENCE
COURSE : 16P1EVST03 : RESEARCH METHODOLOGY - II
(For Regular - 2019 Admission and Supplementary - 2016/2017/2018 Admissions)

Time : Three Hours

Max. Marks: 75

Section A**Answer any 10 (2 marks each)**

1. Explain briefly the difference between data, information and knowledge.
2. What are the types of research?
3. Give an account of the steps of scientific methods in research.
4. Write a note on 'Dependent variable'.
5. Comment on 'Sampling errors'.
6. What is a sample? What is sampling?
7. What is meant by 'Structured observation'?
8. Write a note on 'Unstructured observation'.
9. Comment on 'Pantry and store audits'.
10. Enumerate the significance of seminar for researchers
11. What do you mean by Crawling?
12. With the help of suitable examples define Indexes.

(2 x 10 = 20)

Section B**Answer any 5 (5 marks each)**

13. "Research design in exploratory studies must be flexible but in descriptive studies, it must maximize reliability and minimize bias" Discuss
14. How do you formulate a research problem?
15. Outline the principal advantages of sampling.
16. Discuss the pre-requisites and basic tenets of interviewing.
17. What are the major phases of a case study? Explain.
18. What are the different methods of referencing? Mention its importance.
19. What are the points to be taken care of while using animals in research?
20. What are reference books? Comment on the sources of ready reference books.

(5 x 5 = 25)

Section C**Answer any 2 (15 marks each)**

21. Describe literature review?
22. What is meant by research design? Explain in detail the types of research design.
23. What is a research report? Explain in detail the method of writing a report .
24. Enumerate and explain the different methods of data collection.

(15 x 2 = 30)