

Write the following information in the first page of Answer Script before starting answer

ODD SEMESTER EXAMINATION: 2020-21

Exam ID Number _____

Course _____ Semester _____

Paper Code _____ Paper Title _____

Type of Exam: _____ (Regular/Back/Improvement)

Important Instruction for students:

1. Student should write objective and descriptive answer on plain white paper.
2. Give page number in each page starting from 1st page.
3. After completion of examination, Scan all pages, convert into a single PDF, rename the file with Class Roll No. **(2019MBA15)** and upload to the Google classroom as attachment.
4. Exam timing from 10am – 1pm (for morning shift).
5. Question Paper will be uploaded before 10 mins from the schedule time.
6. Additional 20 mins time will be given for scanning and uploading the single PDF file.
7. Student will be marked as ABSENT if failed to upload the PDF answer script due to any reason.

**M.Sc. ENVIRONMENTAL SCIENCE
THIRD SEMESTER
RESEARCH METHODOLOGY
MEV-301**

Duration : 3 hrs.

Full Marks : 70

(PART-A : Objective)

Time : 20 min.

Marks : 20

Choose the correct answer from the following:

1X20=20

1. Evaluation research is a type of:
 - a. Applied research
 - b. Basic research
 - c. Causal research
 - d. None of these
2. Blue print of research is:
 - a. Research Design
 - b. Literature review
 - c. Statistical analysis
 - d. Objectives
3. Which research design is flexible in its approach?
 - a. Quantitate research
 - b. Explanatory research
 - c. Qualitative research
 - d. None of these
4. Criteria for hypothesis construction:
 - a. Contradictory
 - b. Precise
 - c. Quantitative
 - d. None of these
5. Classical approach forwarded by Bailey for hypothesis testing deals with:
 - a. Real life situation
 - b. Consequences
 - c. Concepts
 - d. None of these
6. Cluster sampling is a type of:
 - a. Non-probability sampling
 - b. Systematic sampling
 - c. Probability sampling
 - d. None of these
7. Sampling saves:
 - a. Knowledge
 - b. Concern
 - c. Data
 - d. Destruction
8. Samples used for research study should be:
 - a. Dependent
 - b. Biased
 - c. Vague
 - d. None of these
9. In which sampling, the last sample is studied in detail?
 - a. Multi-stage
 - b. Multi-phase
 - c. Cluster
 - d. Random
10. Padding questions in a questionnaire survey are a type of:
 - a. Secondary question
 - b. Tertiary question
 - c. Primary question
 - d. None of these

11. Conditions for successful interview as per Gardner is:
- a. Knowledge
 - b. Concepts
 - c. Understanding
 - d. Dress code
12. Naïve observation is:
- a. Systematic
 - b. Precise
 - c. Structured
 - d. Unplanned
13. When planning to do a social research, it is better to:
- a. Approach the topic with an open mind
 - b. Do a pilot study before getting stuck into it
 - c. Be familiar with literature on the topic
 - d. Forget about theory because this is a very practical
14. The research stream of immediate application is:
- a. Conceptual research
 - b. Action research
 - c. Fundamental research
 - d. Empirical research
15. Which of the following is an initial mandatory requirement for pursuing research?
- a. Developing a research design
 - b. Deciding about the data analysis procedure
 - c. Formulating a research question
 - d. Formulating a research hypothesis
16. A researcher is interested in studying the prospects of a particular political party in an urban area. What tool should he prefer for the study?
- a. Rating scale
 - b. Interview
 - c. Questionnaire
 - d. Schedule
17. The format of thesis writing is the same as in:
- a. Preparation of a research paper/article
 - b. Writing of seminar presentation
 - c. A research dissertation
 - d. Presenting a workshop/ conference paper
18. Detailed description of methodology of research is required in:
- a. Thesis/ Dissertation
 - b. Symposium/Workshop
 - c. Seminar paper/ Articles
 - d. Conference and Seminar Papers
19. Which of the following is a research tool?
- a. Graph
 - b. Illustration
 - c. Questionnaire
 - d. Diagram
20. The main characteristic of scientific research is
- a. Empirical
 - b. Theoretical
 - c. Experimental
 - d. All of above

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(PART-B : Descriptive)

Time : 2 hrs. 40 min.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

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| 1. Define Research. What is the systematic procedure for doing a research? | 2+8=10 |
| 2. What do you mean by hypothesis? Why hypothesis is constructed? | 2+8=10 |
| 3. Define Non-probability sampling. Enumerate the types of non-probability sampling citing suitable instances. | 2+8=10 |
| 4. State the factors that affect observation in a research. Mention the pros and cons of observation. | 2+4+4=10 |
| 5. Write short notes on:
a) SPSS in research.
b)Qualitative and quantitative data. | 5+5=10 |
| 6. Write about reference writing procedure of one standard format. | 10 |
| 7. Differentiate between:
a) Interview schedule and Questionnaire.
b)References and Bibliography. | 5+5=10 |
| 8. Write short notes on:
a) Plagiarism
b)Ethical issue of research. | 5+5=10 |

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