

# Indian Maritime University

(A Central University, Govt of India)

## End Semester Examinations – December 2022

Programme Name: M Tech (NAOE)

Semester : 1

Subject Code: PG11T2106

Subject Name: Research Methodology

Date: 30.12.2022

Max Marks: 60

Duration: 03 Hrs

Pass Marks: 30

### Section - A

Answer the following compulsory questions

(10 X 01= 10Mark)

- Which of the following is not the method of Research?  
(A) Survey (B) Historical  
(C) Observation (D) Philosophical
- A formal document that presents the research objectives, design of achieving these objectives, and the expected outcomes/deliverables of the study is called  
(A) Research design (B) Research proposal  
(C) Research hypothesis (D) Research report
- An example of scientific knowledge is .....  
(A) Laboratory and field experiments  
(B) Social traditions and customs  
(C) Authority of the Prophet or great men  
(D) Religious scriptures
- is obtained by selecting a convenient population.  
(A) Stratified sampling (B) Convenience sampling  
(C) Quota sampling (D) Sequential sampling.
- Which of these is not a step in the problem identification process?  
(A) Discussion with subject experts  
(B) Review of existing literature  
(C) Theoretical foundation and model building  
(D) Management decision making
- Which of the following is the first step in starting the research process?  
(A) Searching sources of information to locate problem.  
(B) Survey of related literature  
(C) Identification of problem  
(D) Searching for solutions to the problem.

7. When a phenomenon cannot be fully understood because of technical difficulties, the hypothesis made about is called...
- (A) Descriptive (B) Tentative  
(C) Explanatory (D) Hypothesis concerning law
8. Which of the following acts are considered as unethical in research?
- (A) Using an ethnically prejudiced epithet in the laboratory  
(B) Sabotaging someone's work  
(C) Stealing supplies, books, or data  
(D) All above
9. Which of these factors is not required for communication growth?
- (A) Growth in size of organisations (B) Negative atmosphere  
(C) Globalisation (D) Public relations
10. The last page of the research report is...
- (A) Title page (B) Bibliography  
(C) Index (D) Appendix

Section – B

Answer any five out of given seven questions (05 X 08= 40 Marks)

11. Distinguish between Research methods and Research methodology?
12. Describe the different types of research, clearly pointing out the difference  
Between an experiment and a survey?
13. "Research design in exploratory studies must be flexible but in descriptive  
Studies, it must minimise bias and maximise reliability." Discuss?
14. Explain and illustrate the procedure of selecting a random sample?
15. Enumerate the criteria for evaluating a hypothesis and role of a hypothesis?
16. Distinguish between thesis and research article?
17. What is Retraction? Explain the purpose and guidelines of Retraction?

Section C

Answer any one out of the three questions

(01 X 10 = 10 Marks)

18. What do you mean by multivariate analysis? Explain how it differs from bivariate analysis?
19. Explain and illustrate different styles in footnotes and end notes?
20. What are objectives of research ethics? Describe the codes and policies for research ethics?



