

**Indian Maritime University**  
**(A Central University, Govt of India)**  
**End Semester Examinations – June 2024**  
**Programme Name: MBA(PSM/ITL)**  
**Semester: II**  
**Subject Code: PG21T/22T3206**  
**Subject Name: RESEARCH METHODOLOGY**

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Date: 12.06.2024

Max Marks: 60

Duration: 03 Hrs

Pass Marks: 30

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General Instructions

- (i) All Sections (A, B & C) are to be attempted.
- (ii) Options are specified in the respective section.

**Section A**

Ten MCQs/Fill in the Blanks of 01 Mark each – Choose the correct answer as applicable.

1. The elimination of extraneous variables can be carried out in the case of .....
  - a. exploratory research
  - b. descriptive research
  - c. experimental research
  - d. none of the above
2. Probability sampling is advantageous because it is
  - a. Representative
  - b. unbiased
  - c. reasonably accurate
  - d. all of the above
3. Which among the following is a non-parametric test?
  - a. Chi-square
  - b. T test
  - c. F test
  - d. Anova
4. A correlation value of +0.90 indicates
  - a. High positive relationship between variables
  - b. Low positive relation between variables
  - c. High negative relationship between variables
  - d. Perfect positive relationship between variables
5. Procedure of measuring and assigning numbers to objects according to specified rules

- a. Scaling
  - b. Formulating Hypothesis
  - c. Reporting
  - d. Data collection
6. Evaluation research is concerned with
- a. what are we doing?
  - b. how well are we doing?
  - c. Why are we doing?
  - d. None of the above
7. Library is extensively used in the case of
- a. Clinical research
  - b. Historical research
  - c. Experimental Research
  - d. Participatory Research
8. Which among the following is the correct procedure of research?
- a. Identification of Problem, hypothesis, data collection, report writing
  - b. Hypothesis, data collection, identification of the problem, report writing
  - c. Report writing, identification of the problem, hypothesis, data collection
  - d. Identification of problem, data collection, report writing, hypothesis
9. The strength of the research can be seen in terms of
- a. subjectivity of the study
  - b. objectives of the study
  - c. amount of funding
  - d. people employed in the study
10. Bibliography consists of
- a. Title of the study
  - b. Name of the author
  - c. Year of publication
  - d. All of the above

### **Section B**

Five Questions of 02 Marks each

11. Define Pilot study

12. Which is the most suitable sampling technique to be used for data collection, if there is no basic information about all the units of the study under the population? Give reasons.

13. Mention the assumptions of parametric tests

14. What are the types of measurement used for research?

15. Characteristics of a good research

### **Section C**

Seven Questions of 8 Marks each of which any 05 questions to be answered.

16. As part of Diversity, Inclusiveness, and Equity, the management of Shipping Line X has felt the necessity of understanding and analysing the problems of women seafarers involved in the maritime domain. Construct a questionnaire to capture the problems of women seafarers.

17. Explain the various steps involved in the research process

18. Define Research Design. "Research Design in exploratory studies must be flexible but in descriptive studies, it must minimise the bias and maximise the reliability" Explain.

19. Illustrate the difference between research methodology and research methods. Give examples of them in the context of any research problem of your interest.

20. Why do we need sampling techniques for data collection? Explain different types of sampling techniques with their merits and demerits. (2+6 marks)

21. Distinguish between correlation and regression as statistical methods used for data analysis. Explain the justification behind using these two methods of data analysis. (4+4 marks)

22. Explain the qualities of a good research report. List out the steps involved in writing a report.

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