

INDIRA UNIVERSITY, PUNE

SCHOOL OF INFORMATION TECHNOLOGY- MSC CA

Backlog Examination (2025 Pattern) April/ May – 2026 - Semester – I

Subject Name: Research Methodology
Subject Code: 25PCA119T

Max. Marks: 50
Time: 2:30 Hrs.

Instructions

- All Questions are Compulsory.

CO #	Cognitive Ability	Course Outcome
CO3	Apply	Formulate research problems, objectives, and hypotheses, Implement ethical data collection techniques from diverse sources.
CO4	Analyze	Analyze quantitative and qualitative data using statistical tools.
CO5	Evaluate	Evaluate and present research findings professionally and effectively.
CO6	Construct	Employ ethical practices to design and conduct research.

Q1.	Attempt any 5 out of 7. (2 mark each) 1. Develop the concept of survey method. 2. Identify the methods used in qualitative research 3. How Chi Test is applicable in research area? 4. How research framework is applied while doing research? 5. Develop the concept of Case study in research? How it helps to prepare good research report? 6. Identify the concept of inferential analysis? 7. Identify why informed consent is important in research?	(10 Marks)	CO3
Q2.	Attempt any 4 out of 6 (5 marks each) 1. What do you mean by qualitative research? Analyze its advantages and limitations 2. Analyze the process of sampling and explain its importance in research 3. Distinguish between Qualitative, Quantitative and Mixed research 4. What do you mean by ethnographic research? Analyze its purpose and importance 5. Analyze the importance of formulating clear research question 6. Develop the concept of sampling? Analyze its different types.	(20 Marks)	CO4
Q3.	Attempt any 2 out of 3 questions. (5 marks each) 1. Explain the concept of sampling distribution. What are its types? 2. Explain different types of hypothesis testing 3. Explain the concept of research paper. How to evaluate good research paper.	(10 Marks)	CO5
Q4	Compulsory question. (10 marks each) What do you mean by review method? Discuss it with its types and key aspects	(10 Marks)	CO6
