

INDIRA UNIVERSITY, PUNE

SCHOOL OF COMMERCE & ECONOMICS- MCOM

Term End Examination (2025 Pattern) April- May – 2026- Semester – II

Course Name: Quantitative and Qualitative Methods for Research Max. Marks: 50

Course Code: 25MOC206T

Time: 2:30 Hrs.

Instructions

- Instructions 1 All Questions are compulsory
- Instructions 2 All questions carry equal (10) Marks

Q1.	Attempt all. (10 Marks) 1. In a quantitative research study, a null hypothesis generally states that: A. There is a strong relationship between variables B. The researcher's assumption is correct C. There is no significant relationship between variables D. The sample represents the population perfectly 2. Which research design is most appropriate when a researcher wants to compare students' performance before and after an intervention? A. Cross-sectional design B. Descriptive design C. Experimental design D. Case study 3. While conducting a focus group discussion, the role of the moderator is to: A. Provide correct answers B. Dominate the discussion C. Encourage balanced participation D. Record numerical data only 4. In regression analysis, the variable that is used to predict another variable is called the: A. Dependent variable B. Control variable C. Independent variable D. Intervening variable 5. When writing a qualitative research paper, direct quotations from participants are mainly used to: A. Increase word count B. Replace analysis C. Support interpretations with evidence D. Avoid literature review	CO1
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	6. Quantitative research questions usually focus on? A. Emotions and perceptions B. Numbers and measurable variables C. Open-ended responses D. Case studies 7. Ethical considerations in research include? A. Fast data collection B. Proper use of software C. Informed consent of participants D. Writing long reports 8. Research can best be defined as? A. Gathering information from the internet B. A systematic investigation to generate new knowledge C. Writing reports D. Collecting opinions randomly 9. Which is the first step in the research process? A. Data analysis B. Literature review C. Identifying the research problem D. Writing conclusions 10. Qualitative research is generally? A. Structured and fixed B. Flexible and exploratory C. Based only on surveys D. Entirely numerical	
Q2.	Attempt any 1 out of 2. (10 Marks) A. 1. Explain the concept of Mixed Method and it's importance in research (5 Marks) 2. Explain features of good Literature Review (5 Marks) OR B. 1. State the steps in formulating Quantitative Research Questions (5 Marks) 2. Discuss plagiarism and proper citation as ethical issues in literature review writing. (5 Marks)	CO2
Q.3	Attempt any 1 out of 2. (10 Marks) A. 1. A researcher wants to study the effectiveness of a new teaching method in improving student performance and classroom experience. Identify whether the study should use qualitative, quantitative, or mixed methods and justify. Design a data collection plan including: · one qualitative method · one quantitative method (5 Marks) 2. Suggest suitable sampling techniques for both qualitative and quantitative parts. Explain how the collected data will be analysed using appropriate tools (e.g., t-test, ANOVA, thematic analysis). (5 Marks) OR	CO3

	B. 1. How would you apply determinants of good sampling in context with research. (5 Marks) 2. How would you apply (what is a criteria for) Selection of Appropriate Methodology or Method Carrying out Qualitative Research (5 Marks)	
Q4	Attempt any 1 out of 2. (10 Marks) A. A study is conducted to find the relationship between gender and preference for online/offline classes: Online Offline Male 30 20 Female 25 25 a) Identify the appropriate statistical test and justify. Interpret what conclusion you would draw if the association is significant. (5 Marks) b) State the null and alternative hypotheses. Explain how Chi-square test is used to test association between variables. (5 Marks) OR B. A researcher used Google Sheets to analyse the relationship between study hours and marks and obtained the following output: · Correlation coefficient (r) = 0.78 · p-value = 0.03 · Level of significance = 0.05 a) Identify the type of statistical analysis used in this study. Explain the meaning of the p-value in this context. (5 Marks) b) Interpret the value of correlation coefficient (0.78). Based on the results, state whether the relationship is significant and give a proper conclusion. (5 Marks)	CO4
Q.5	Attempt any 1 out of 2. (10 marks) A. 1. What are reporting guidelines, and why are they important when writing quantitative research papers? (5 Marks) 2. Explain the role of CONSORT and STROBE guidelines in improving transparency and quality in quantitative research reporting. (5 Marks) OR B. 1. What is meant by reporting guidelines in research writing? (5 Marks) 2. Why are reporting guidelines helpful when writing quantitative research papers? (5 Marks)	CO5
