

TILAK MAHARASHTRA VIDYAPEETH, PUNE
MASTER OF COMPUTER APPLICATIONS (MCA)
EXAMINATION : DECEMBER - 2025
SEMESTER - I
Sub : Research Methodology (MCA24 -106)

Date : 30/12/2025

Total Marks : 60

Time: 10.00 am To 12.30 pm

Instruction:

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labelled diagram wherever necessary.

Q. 1. Answer the following in 2-3 lines. (Any 5) (10)

1. What is research methodology?
2. What is quantitative research?
3. What is level of significance?
4. What is sampling?
5. What do you mean by ?
6. What is research population?
7. Define the term bibliography.

Q. 2. Answer the following in short. (Any 4) (20)

1. What is Likert scale? State its advantages and disadvantages
2. Differentiate between qualitative and quantitative method of data collection.
3. State the objectives of research.
4. Write short note on Application research.
5. Write a short note on data processing.
6. Discuss the types of Interview Method for data collection.

Q. 3. Answer the following in detail. (Any 3) (30)

1. What do you mean by Research Problem and how can you identify the Research Problem.
 2. What is secondary data collection? List down the sources of collecting secondary data.
 3. State and explain the essentials of good questionnaire.
 4. What is a 'Good Research'? Mention qualities of Good research.
 5. Explain the process of research report writing.
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