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MASTER OF SCIENCE (M.Sc) in COMPUTER APPLICATIONS
EXAMINATION: JUNE - 2025
SEMESTER - IV
Sub: Research Methodology (MSC -403 -22)

Date : 3/06/2025

Total Marks : 60

Time: 2.00 pm to 4.30 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. Define pilot study.
2. What is hypothesis?
3. What is research?
4. What do you mean by scaling?
5. What is qualitative research?
6. What is literature review?
7. What is focus group?

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

1. Explain different techniques of sampling
2. List down the advantages and disadvantages of likert scale.
3. Explain dependant variables and independent variables.
4. List down the sources of secondary data
5. What is importance of tabulation in research
6. "Research is movement from known to unknown". Comment.

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

1. Explain the steps in data processing?
2. Explain the different types of research
3. What are the qualities of good researcher?
4. Describe the steps involves in writing a standard research report
5. What do you mean by research problem? Discuss the steps normally followed in formulation a research problem?
