

TILAK MAHARASHTRA VIDYAPEETH, PUNE
MASTER OF SCIENCE (M.SC) IN COMPUTER APPLICATIONS
EXAMINATION: DECEMBER - 2024
SEMESTER - IV
Sub: Research Methodology (MSC -403 -22)

Date : 31/12/2024

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. What is plagiarism?
2. What is the use of research proposal in research?
3. What is hypothesis testing?
4. What is sampling?
5. What do you mean by Bibliography?
6. Define exploratory research.
7. Where observation methods can be used in research.

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

1. Write down the steps for designing good questionnaire.
2. What is secondary data? What are its limitations?
3. Explain experimental Research and Descriptive Research
4. Discuss the problems faced by researcher.
5. What is data processing? State its steps.
6. What is collection of data? Explain primary and secondary source to collect the data?

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

1. Explain the process of scientific research?
 2. What is Research Design? What are its essentials?
 3. List down the steps involved in writing a report?
 4. "Literature review helps in identifying a suitable research problem". Comment.
 5. How do you formulate a research hypothesis? What is the purpose of the formulation of hypothesis?
-