

**TILAK MAHARASHTRA VIDYAPEETH, PUNE**  
**MASTER OF SCINCE (M. SC.) - MEDIA GRAPHICS IN ANIMATION**  
**AND VFX**  
**EXAMINATION: DECEMBER - 2025**  
**FIRST SEMESTER**  
**Sub.: Research Methodology (Th) (MSGV24-106)**

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**Date: 11/12/2025**

**Total Marks: 40**

**Time: 10.00 am to 12.00 pm**

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**Instructions: All questions are compulsory.**

**Q. 1. Multiple choice questions (10)**

1. A researcher wants to understand the in-depth experiences of five students who used a new online learning platform. What type of research is this most likely to be?
  - a) Descriptive research
  - b) Quantitative research
  - c) Experimental research
  - d) Qualitative research
2. Which of the following is an example of a 'research gap'?
  - a) An area where existing research has produced conflicting results.
  - b) An area of research that is popular and well-funded.
  - c) A topic that has a clear and widely accepted theoretical framework.
  - c) A finding that is consistent across several studies.
3. Which of the following is a common pitfall to avoid when writing a literature review?
  - a) Using a consistent citation style like APA or MLA.
  - b) Organizing the review by theme or topic rather than by author.
  - c) Focusing too much on irrelevant or outdated sources.
  - d) Identifying gaps in the existing research
4. A researcher is conducting an in-depth case study of one individual. What type of research is this?
  - a) Correlation research
  - b) Experimental research
  - c) Qualitative research
  - d) Quantitative research
5. In the research process, which step typically follows the literature review?
  - a) Developing the research design and methodology.
  - b) Disseminating the findings.
  - c) Formulating the research question.
  - d) Conducting the data analysis
6. What is the term for a piece of information that has been interpreted, analyzed, or summarized from primary sources?
  - a) Secondary source
  - b) Primary source

- c) Tertiary source
  - d) Data set
7. What is the purpose of the 'methodology' section of a research paper?
- a) To summarize the results of the literature review
  - b) To present the study's conclusions
  - c) To argue for the importance of the research topic
  - d) To explain how the research was conducted, including the design, participants, and procedures
8. What is the main purpose of citing sources in a research paper?
- a) To demonstrate that the researcher is well-read.
  - b) To avoid plagiarism and give credit to the original authors.
  - c) To make the paper longer.
  - d) To confuse the reader with too many references
9. In research, what is the term for a testable prediction about the relationship between variables?
- a) Hypothesis
  - b) Methodology
  - c) Conclusion
  - d) Research question
10. What is the primary purpose of a literature review in a research study?
- a) To summarize a single key study in great detail.
  - b) To collect new data from participants.
  - c) To identify and describe what is already known about a topic and to identify gaps in existing knowledge.
  - d) To prove that the researcher has read many books and articles.

**Q. 2. Write short notes on. (Any two) (10)**

- 1. Research Problem Identification
- 2. Research Ethics
- 3. Random Sampling Method

**Q. 3. Write the Answers of the following (Any 4) (20)**

- 1. Explain the significance of research
- 2. Describe the Survey Research Design with suitable examples.
- 3. Elaborate on correlation and associative hypothesis with suitable examples.
- 4. Describe the basic elements of research with suitable examples.
- 5. Compare and contrast participant observation and non-participant observation