

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
MSc DEGREE EXAMINATION DECEMBER 2025
(First Semester)

Branch – **APPLIED PSYCHOLOGY**

RESEARCH METHODOLOGY

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	The primary purpose of an 'Operational Definition' in research is a) To provide a dictionary meaning of a term b) To define a concept in terms of the specific processes or tests used to measure it c) To state the research problem in a broad manner d) To list the variables in the study	K1	CO1
	2	Find a characteristic of a good research hypothesis is to: a) Complex and contains multiple ideas. b) General question about the research topic. c) Testable and states a predicted relationship. d) Based solely on the researcher's opinion.	K2	CO1
2	3	A researcher wants to study the long-term effects of a training program on employee productivity by observing the same group of employees for five years. Which research design is this? a) Cross-sectional design b) Case study design c) Completely Randomized Design d) Longitudinal design	K1	CO2
	4	The main goal of a Factorial Design is to: a) Study only one independent variable at a time b) Explore the interaction effects between two or more independent variables c) Describe the characteristics of a population d) Conduct research without a control group	K2	CO2
3	5	In qualitative research, 'Thematic Analysis' primarily involves: a) Identifying, analyzing, and reporting patterns (themes) within data b) Running statistical tests to find correlations c) Conducting experiments in a controlled lab setting d) Using probability sampling techniques	K1	CO3
	6	Which data collection method is most associated with gaining deep, contextual insights into a participant's personal experiences in qualitative research? a) Survey b) Quasi-experiment c) Randomized Controlled Trial d) In-depth Interview	K2	CO3
4	7	According to the APA 7th edition guidelines, which of the following is the correct order for the main sections of a research report? a) Introduction, Abstract, Method, Results, Discussion b) Abstract, Introduction, Method, Results, Discussion c) Introduction, Method, Abstract, Results, Discussion d) Abstract, Method, Introduction, Discussion, Results	K1	CO4
	8	The primary purpose of using a reference manager like Zotero or Mendeley is a) To write the first draft of the research paper b) To perform complex statistical analyses c) To organize literature and automatically format citations and bibliographies d) To check for ethical violations in the research proposal	K2	CO4

Cont...

5	9	Which of the following best describes 'Plagiarism' in academic writing? a) Using technical jargon specific to a field b) Presenting someone else's work or ideas as your own, without proper citation c) Writing a lengthy discussion section d) Disagreeing with a published author's findings	K1	CO5
	10	The 'Mixed Methods Approach' in research is defined by: a) Integrating both quantitative and qualitative approaches within a single study b) Using only qualitative data collection techniques c) Applying multiple statistical tests to the same data d) Using a single method for different research problems	K2	CO5

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Explain the purpose and importance of research.	K2	CO1
		(OR)		
	11.b.	Explain the differences between quantitative and qualitative research paradigms.		
2	12.a.	Sketch the types of hypotheses.	K4	CO2
		(OR)		
	12.b.	Differentiate probability and non-probability sampling with examples.		
3	13.a.	Analyze how a factorial design tests interaction effects.	K4	CO3
		(OR)		
	13.b.	Compare descriptive and experimental research designs.		
4	14.a.	Demonstrate the steps of thematic analysis.	K3	CO4
		(OR)		
	14.b.	Illustrate the before-and-after with control design.		
5	15.a.	Explain the components of an APA 7 th edition research report.	K5	CO5
		(OR)		
	15.b.	Evaluate the abstract, literature review, and plagiarism.		

SECTION - C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Critically analyze the paradigms of research.	K4	CO1
2	17	Develop a research plan to study a counseling technique's impact on anxiety.	K6	CO2
3	18	Compare and contrast the experimental and non-experimental designs.	K5	CO3
4	19	Propose a qualitative study to investigate the challenges faced by remote workers and evaluate the suitability of different qualitative data analysis methods for this study.	K6	CO4
5	20	Appraise the discussion section's role and ways to avoid plagiarism and bias.	K5	CO5