

**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 main purpose of research in psychology is to: a) Prove personal opinions b) Discover new knowledge systematically c) Repeat existing ideas d) Describe one's beliefs	K1	CO1
	2	The method that studies behavior through controlled observation and manipulation of variables is: a) Survey b) Interview c) Experiment d) Case study	K2	CO1
2	3	A good research hypothesis should be: a) Vague and lengthy b) Based on assumptions c) Testable and specific d) Derived from opinion	K1	CO2
	4	The term "population" in research refers to: a) All individuals sharing the characteristics of interest b) Only the sample c) The number of participants d) The results obtained	K2	CO2
3	5	The main purpose of a research design is to: a) Collect data randomly b) Provide a blueprint for conducting research c) Draw conclusions d) Select population	K1	CO3
	6	Which design allows the study of cause-and-effect relationships? a) Correlational b) Experimental c) Descriptive d) Exploratory	K2	CO3
4	7	Thematic analysis in qualitative research focuses on: a) Finding statistical correlation b) Identifying patterns and themes in data c) Manipulating variables d) Using numerical data	K1	CO4
	8	Which of the following is a qualitative data collection method? a) Observation b) Questionnaire c) Random sampling d) Factorial design	K2	CO4
5	9	According to APA 7 th edition, the reference list should be arranged: a) By year of publication b) By topic c) Alphabetically by first author d) By frequency of use	K1	CO5
	10	The primary purpose of plagiarism detection software is to: a) Check grammar b) Identify unoriginal text c) Format reports d) Add citations automatically	K2	CO5

Cont...

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 meaning, purpose, and ethical considerations in psychological research.	K2	CO1
		(OR)		
	11.b.	Compare and contrast about paradigms of research.		
2	12.a.	Classify the types of variables.	K4	CO2
		(OR)		
	12.b.	Summarize the types of research hypothesis.		
3	13.a.	Examine the features of a good research design and its significance.	K4	CO3
		(OR)		
	13.b.	Explain factorial design and discuss its advantages in experimental research.		
4	14.a.	Describe various qualitative data collection methods used in psychological research.	K3	CO4
		(OR)		
	14.b.	Explain the procedure of thematic analysis with suitable examples.		
5	15.a.	Illustrate the structure and format of a research report as per APA 7 th edition.	K5	CO5
		(OR)		
	15.b.	Discuss ethical issues in publication such as authorship, bias, 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 evolution and paradigms of psychological research.	K4	CO1
2	17	Design a research plan to study the effect of time management training on academic performance among college students.	K6	CO2
3	18	Compare and contrast experimental and non-experimental research designs with examples.	K5	CO3
4	19	Suggest a study to understand students' online learning experiences and how to analyze the data.	K6	CO4
5	20	Explain how to write and publish a psychology research paper following APA and ethics.	K5	CO5

Z-Z-Z

END