

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2026
(Fourth Semester)

Branch- 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	Which of the following is applied research? a. Developing theory b. Finding solution c. Accepting hypothesis d. Criticizing flawed model	K1	CO1
	2	Research process usually begins with _____. a. Data analysis b. Identifying research problem c. Formulating hypothesis d. Finalizing research design	K2	CO1
2	3	Which variable is called a researcher's variable? a. Independent variable b. Dependent variable c. Extraneous variable d. Mediating variable	K1	CO2
	4	Which design is used to predict cause and effect relationship? a. Correlational b. Regression analysis b. Experimental d. Chi-square	K2	CO2
3	5	A pilot study is conducted to a. Finalize conclusions b. Publish findings c. Test instruments d. Change the hypothesis	K2	CO3
	6	Informal research design also called as _____ design a. Rigid b. Flexible c. Fundamental d. Standardized	K1	CO3
4	7	Which of the following is non probability sampling method____ a. Simple random sampling b. Convenient sampling c. Stratified sampling d. Proportionate sampling	K1	CO4
	8	Validity refers to _____ a. Consistency of measures b. Accuracy of measures c. Replication of measures d. Repetition of the study	K1	CO4
5	9	The references section should follow specific _____ a. Grammer style b. Writing style (APA,MLA) c. Abstract format d. Research design format	K1	CO5
	10	Which is the correct sequence? a. Methodology, results, introduction and discussion b. Introduction, methodology, results and Discussion c. Introduction, methodology, discussion and results. d. Methodology, introduction, results and discussion	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.	Define experimental method.	K2	CO1
	(OR)			
	11.b.	Illustrate on characteristics and scope of scientific research.		
2	12.a.	Bring light on the sources of review.	K2	CO2
	(OR)			
	12.b.	Identify the types of hypotheses.		
3	13.a.	Discuss the characteristics of good research design.	K3	CO3
	(OR)			
	13.b.	Explain basic principles of experimental design.		
4	14.a.	Give a note on levels of data given by Stevens.	K2	CO4
	(OR)			
	14.b.	Discuss non-probability sampling techniques.		
5	15.a.	Identify the precaution for writing research report.	K3	CO5
	(OR)			
	15.b.	What are inclusion and exclusion criteria.		

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	Illustrate various research methods.	K2	CO1
2	17	Define variable. Explain different types of variables and factors to be considered while selecting a variable.	K3	CO2
3	18	Explain in detail about Latin square design along with an example.	K3	CO3
4	19	Organize probability sampling methods along with example.	K3	CO4
5	20	List the usual steps involved in report writing.	K4	CO5

Z-Z-Z

END