

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2025
(Third Semester)

Branch – **HOSPITAL ADMINISTRATION**

RESEARCH METHODOLOGY FOR HEALTHCARE SERVICES

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks

$(10 \times 1 = 10)$

Module No.	Question No.	Question	K Level	CO
1	1	The main objective of _____ study is to acquire knowledge. a) Exploratory b) Descriptive c) Diagnostic d) Descriptive and Diagnostic	K1	CO1
	2	Research _____ is a logical and systematic plan for conducting research study. a) Problem b) Design c) Report d) Sample	K2	CO1
2	3	_____ is a preferred sampling method for the population with finite size. a) Systematic sampling b) Purposive sampling c) Cluster sampling d) Area sampling	K1	CO2
	4	Stratified sampling is a _____. a) Probability sampling b) Non-Probability sampling c) Specified sampling d) Research sampling	K2	CO2
3	5	Which of the following is not a common form of quantitative data collection in healthcare research? a) Surveys b) focus groups c) controlled trials d) Database analyses	K1	CO3
	6	_____ is the type of questionnaire which is segmented and designed to elicit detailed and accurate information under the given titles and subtitles. a) Unstructured b) Structured c) Close form d) Open ended	K2	CO3
4	7	The correlational research seeks to: a) To determine the relationship or interdependence between two or more variables b) To study the effect of one on another c) To study the causal influence of one on another d) To test the independence of two attributes	K1	CO4
	8	The following are the ways to avoid Plagiarism except _____. a) Cite b) Quoting c) Referencing d) Google	K2	CO4
5	9	In a research report certificate and declaration are included in _____. a) Introduction part b) Main body c) End matter d) Annexure	K1	CO5
	10	A _____ is a reference, explanation or comment placed below the main text on a printed page. a) Bibliography b) Footnotes c) Citation d) Website	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.	Why research subject should be related to the societal needs? (OR)	K4	CO1
	11.b.	Describe the various types of research.		
2	12.a.	Explain Type I and Type II error with suitable example. (OR)	K5	CO2
	12.b.	Explain the classifications of experimental research design.		
3	13.a.	Pilot study – Discuss. (OR)	K4	CO3
	13.b.	Illustrate the use of 'interview' as a tool for collection of data.		
4	14.a.	Define and discuss the biological applications of Measures of Central Tendency. (OR)	K4	CO4
	14.b.	Explain the applications of chi-square test in Health Care Services.		
5	15.a.	What are the precautions to be followed in writing a good research report? (OR)	K6	CO5
	15.b.	State the steps followed in writing a research report.		

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	Elaborate the Ethical aspects in health research.	K4	CO1
2	17	Explain the systematic bias and causes of bias.	K5	CO2
3	18	Draft a suitable questionnaire to collect the data about the healthiness of rural people.	K4	CO3
4	19	Define chi-square test. Write the procedure for chi-square test with some examples.	K4	CO4
5	20	Report writing is more an art that hinges upon practice and experience - Narrate.	K6	CO5