

Name of Scholar (in CAPITAL):		Printed Pages:
Admission No.:		01
Core Coursework End Term Examination (Regular Back), May-June 2024 (Till Winter 2022-2023) [Programme: PhD]		
Course Title: Research Methodology		Max Marks: 50
Course Code: RME701		Time: 3 hrs
Instructions:	1. Answer all the questions. 2. Assume missing data suitably (if any).	
Group A (5 x 2 = 10 Marks)		
1.	How can researchers avoid plagiarism?	2
2.	How do you write a bibliography?	2
3.	What is the purpose of scaling in research?	2
4.	Write down the main purpose of research.	2
5.	What is a variable? Explain it with an example.	2
GROUP B (4 x 5 = 20 Marks)		
6.	Define the terms <i>t</i> -test and <i>z</i> -test.	5
7.	What is factorial experimental design? Write some advantages of it.	5
8.	What does empirical research describe? Explain.	5
9.	What are the sources of secondary data? Why secondary data is required to justify the primary data?	5
GROUP C (2 x 10 = 20 Marks)		
10	What is research hypothesis? Describe the nature and importance of hypothesis in detail. (or) Why literature survey is essential for the research work? Explain the different type of surveys for research.	10
11	Write down the major assumptions for fitting the linear regression model and estimate the parameters. (or) Explain the linear relationship between the study and one explanatory variable.	10