



**Avinashilingam Institute for Home Science and Higher Education for Women**

(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD)  
Re-accredited with A++ Grade by NAAC. CGPA 3.65/4, Category I by UGC  
Coimbatore - 641 043, Tamil Nadu, India

**Class: I PG**  
**Major: Economics**

**Time: 2Hrs**  
**Max. Marks: 60**

**Continuous Internal Assessment II –April 2025**

**23MECC09/ Research Methodology**

**Course Outcome:**

1. Have knowledge on various kinds of research questions and research designs
2. Able to understand methods of data collection and analysis.
3. Identify research problems, develop and formulate hypotheses.
4. Apply skills in interpretation and report writing.
5. Develop independent thinking for critically analysing research reports.

**Part A**

**6X1=6**

**Choose the correct answer**

1. A researcher is interested in studying the prospects of a particular political party in an urban area. So, what tool should he prefer for the study? CO5K3  
a. Rating Scale    b. Interview    c. Questionnaire    d. Schedule
2. Which one among the following variables cannot be expressed in quantitative terms? CO3K1  
a. Numerical Aptitude    b. Marital Status    c. Socio-economic Status    d. Professional Attitude
3. What are the conditions in which Type-I error occurs? CO4K2  
a. The null hypotheses get accepted even if it is false  
b. The null hypotheses get rejected even if it is true  
c. Both the null hypotheses as well as alternative hypotheses are rejected  
d. None of the above
4. Which technique is used to predict group membership? CO5K1  
a. Factor Analysis    b. Discriminant Analysis  
c. Cluster Analysis    d. Random Analysis
5. What is the use of Factorial Analysis? CO4K2  
a. For setting the hypotheses  
b. to understand the difference between two variables  
c. to understand the relationship between two variables  
d. to understand the difference between various variables
6. Which of the following is the most eye catching part of the research report? CO5K2  
a. Summary    b. Conclusion    c. Preface    d. Glossary of terms

**Part - B**

**3x6=18**

**Answer ALL questions. Each answer should not exceed 800 words or two pages**

- 7 a. Briefly explain the discriminant analysis in multivariate techniques (or) CO3K2  
b. Explain the characteristics of a good Hypothesis CO4K1
- 8 a. Give details of precautions for writing a research report (or) CO5K2  
b. What is scalogram? Explain the procedure and advantages and disadvantages CO4K1
- 9 a. Write about the problems in formulating Hypothesis? (or) CO5K2  
b. What is report? Discuss the significance and functions of report writing CO5K1

**Part - C**

**3x12=36**

**Answer ALL questions. Each answer should not exceed 1200 words or two pages**

- 10 a. Discuss the important parametric test in testing hypothesis (or) CO4K3  
b. Basic concepts in testing the hypothesis and what are the procedure testing the hypotheses CO4K2
- 11 a. Describe the important methods of factor analysis (or) CO5K4  
b. What is mean by Scaling? Explain the classification and techniques of scaling? CO4K3
- 12a. Explain the concepts of Foot Notes, APA format, MLA format and Chicago Format (or) CO5K4  
b. Discuss the simple and multiple linear regression models with examples? CO5K4

**NO OF COPIES: 20**  
**Staff In-charge: Dr.V. Malarvizhi**