QP Code: P25DRIS018

Reg. No : .....
Name : .....

ST MARY'S COLLEGE (AUTONOMOUS), THRISSUR-20

I SEMESTER (CBCSS - PG) DEGREE EXAMINATIONS, NOVEMBER 2025
(Regular/Improvement/Supplementary)
M. Sc. Psychology
PSY1C02 : Research Methodology
2024 Admission Onwards

Time:3 Hours **Maximum Weightage:30**

Part A

*Short answer type questions. Answer **any four**. Weightage **2** for each.* ***(4x2 = 8 Weightage)***

1. Describe different types of survey research with suitable examples.
2. Distinguish between Type I and Type II errors.
3. Define questionnaire. Explain the various types of questions used in a questionnaire.
4. Explain the concept of data analysis and describe the different types of data analysis techniques used to interpret data?
5. Compare and contrast the application of the t-test and ANOVA in research.
6. Define the Chi-square test and explain its key assumptions.
7. Define experimental design and briefly explain its basic principles.

PART B

*Short essay-type questions. Answer **any four**. Weightage **3** for each.* ***(4x3 = 12 Weightage)***

8. Critically evaluate various types of research.
9. Describe the ethical problems in research.
10. Using an example, show how personal experience can lead to a research problem.
11. Compare and analyze the primary purposes of conducting a literature review in academic research. Evaluate the significance of utilizing diverse sources to ensure comprehensive understanding and validity of research findings.
12. Compare and contrast participant assignment and experimental approaches in between-subject and within-subject designs.
13. Analyze the role of each section in an APA-formatted research report. Discuss how they contribute to the overall clarity and coherence of the report.

Turn Over

14. Analyze the differences between the Result and Discussion sections of a research report.

PART C

*Essay-type questions. Answer **any two**. Weightage **5** for each. **(2x5 = 10 Weightage)***

15. Briefly describe the major steps in scientific research and discuss the importance of each stage in conducting an effective research.
16. Classify, with examples, the different types of variables used in research, and explain how extraneous variables can influence research outcomes.
17. How would you apply observation as a method to collect data for a small research study in a real-life setting, such as a school, hospital, or market? Include the steps you would follow and the type of data you would collect.
18. Analyze the similarities and differences between grounded theory and narrative approach in exploring the experiences of adolescent students facing academic pressure. How does each method contribute uniquely to understanding the issue?

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