

QP Code : P24A020

Reg. No :

Name :

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

I SEMESTER M.Sc. (CBCSS -PG) DEGREE EXAMINATION, November 2024

M Sc Psychology

PSY1C02 : Research Methodology

2024 Admission Onwards

Time : 3 Hours

Maximum Weightage : 30

Part A

*Short answer type questions: Answer **any four** questions. Weightage 2 for each question*

1. What is a mail questionnaire? List out its advantages and disadvantages. [BTL2]
2. Design a factorial study to investigate the effects of noise (low vs. high) and illumination (low vs. high) on the rate of learning. Outline the factors, levels, and potential interactions of the study [BTL3]
3. Evaluate the impact of scientific research on societal progress and innovation. [BTL5]
4. Define Pearson Correlation Coefficient [BTL1]
5. Differentiate between solvable and unsolvable problems. [BTL2]
6. What is the role of length of phases in single subject experimental design? [BTL3]
7. Define Expost facto research. How does it differ from experimental research? [BTL3]

(4x2 = 8 Weightage)

PART B

*Short essay-type questions: Answer **any four** questions. Weightage 3 for each question*

8. Discuss the role of survey research technique in social science research [BTL3]
9. What is the Chi-square test? Discuss its uses and applications [BTL3]
10. Describe the basic principles in experimental design [BTL1]
11. Analyze the strengths and weaknesses of a quasi-experimental design compared to a true experimental design. [BTL4]
12. Describe the various types of variables. Relate them with suitable daily life examples [BTL3]
13. What is the role of observation in data collection method and explain its various types [BTL1]
14. What are the key differences between qualitative and quantitative data analysis methods? [BTL2]

(4x3 = 12 Weightage)

Turn Over

PART C

*Essay-type questions: Answer **any two** questions. Weightage 5 for each question*

15. Analyze the effect of ethical problems in research and discuss its role in each [BTL4]
stages of research
16. Describe the characteristics of a good hypothesis? And also discuss its various [BTL2]
types
17. Define qualitative research and list its primary characteristics. Also, describe the [BTL3]
core principles and methods of qualitative research traditions highlighting how
each tradition contributes uniquely to qualitative inquiry
18. Identify the purpose and sources of literature review along with the need for the [BTL2]
preparation of index card

(2x5 = 10 Weightage)

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