

MASTER'S DEGREE (C.S.S) EXAMINATION, MARCH 2025
2020, 2021, 2022, 2023 ADMISSIONS SUPPLEMENTARY
SEMESTER II - CORE COURSE PSYCHOLOGY
PY2C07TM - Research Methodology

Time : 3 Hours

Maximum Weight : 30

Part A

I. Answer any Eight questions. Each question carries 1 weight**(8x1=8)**

1. Explain the reasons for sampling.
2. Explain the following variables with examples a) categorical variable b) Discrete variable c) Continuous variable
3. Write down Cochran's and Slovin's formulae in determining the sample size?
4. Differentiate between experimental and non-experimental designs?
5. Write a short note on validity in research. Explain internal and external validity.
6. Discuss Grounded Theory Design in qualitative analysis?
7. Discuss the steps in Content Analysis.
8. Discuss skewed distribution and its types with graph?
9. Discuss kurtosis and its types?
10. Explain APA research style?

Part B

II. Answer any Six questions. Each question carries 2 weight**(6x2=12)**

11. Explain the factors affecting internal validity of research.
12. Write a note on Philosophy of Research.
13. Write a short note on the following variables with examples a) Moderator Variable b) Mediator Variable c) Active Variable d) Attribute Variable
14. Explain experimental research design and its characteristics? Write down a short note on the following experimental research design a) Pre-experimental design b) Quasi Experimental Designs c) True Experimental Designs
15. Discuss the following research designs a) Time Series Design b) Non Randomized Control Group Design
16. Discuss the characteristics of qualitative research?
17. Discuss the procedure for testing hypothesis in parametric test? Write down how we can identify degree of freedom in Z-test and t-test?
18. List down and explain the aim/objectives of research proposal and discuss the details to be included in the introduction part of a research proposal?

Part C

III. Answer any Two questions. Each question carries 5 weight**(2x5=10)**

19. Discuss Non-Probability Sampling? List down the types of Non-Probability Sampling and explain each with examples?
20. Explain the basic designs of qualitative research a) Case study b) Comparative study c) Retrospective study
21. Write a note on a) Chi square test, b) Mann –Whitney U test, c) Kruskal Wallis test, d) Rank correlation
22. Describe the basic structure of a research report.