

D 31062

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Name.....

Reg. No.....

**THIRD SEMESTER M.Com. DEGREE (REGULAR/SUPPLEMENTARY)  
EXAMINATION, NOVEMBER 2022**

(CBCSS)

Master of Commerce

MCM3C13—RESEARCH METHODOLOGY

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

**Part A***Answer any **four** questions.**Each question carries 2 weightage.*

1. Define research.
2. What is case study ?
3. What is independent variable ?
4. What is null hypothesis ?
5. What is exploratory study ?
6. What is primary data ?
7. Discuss accidental sampling.

(4 × 2 = 8 weightage)

**Part B***Answer any **four** questions.**Each question carries 3 weightage.*

8. The null hypothesis with regard to a study was, there is no significant difference between boy's score and girl's score. The values are p-value (two tailed) = .6345, DF= 20, Mean Boys = 46.55 and girls = 44.09,  $t$  value is 0.48. State whether the hypothesis is to be accepted or fails to accepted?
9. Explain how literature survey supports a research study.
10. Explain various types of variables.
11. Explain how the theoretical framework of a research study helps in research.

**Turn over**

12. Distinguish between null hypothesis and alternate hypothesis.
13. Find the variance and standard deviation for the following data : 57, 64, 43, 67, 49, 59, 44, 47, 61, 59.
14. How stratified random sampling is differing from quota sampling ?

(4 × 3 = 12 weightage)

### Part C

*Answer any two questions.  
Each question carries 5 weightage.*

15. Explain the research process in detail.
16. Mention the type of questions used in questionnaires.
17. Differentiate descriptive and inferential statistics.
18. The height and weight of 12 individuals are given. Calculate Pearson's correlation co-efficient.

| <i>Height (cms)</i> |     | <i>Weight (kg)</i> |
|---------------------|-----|--------------------|
| 180                 | ... | 85                 |
| 176                 | ... | 74                 |
| 170                 | ... | 64                 |
| 175                 | ... | 84                 |
| 168                 | ... | 80                 |
| 163                 | ... | 75                 |
| 163                 | ... | 68                 |
| 162                 | ... | 64                 |
| 177                 | ... | 73                 |
| 172                 | ... | 77                 |
| 168                 | ... | 68                 |
| 169                 | ... | 79                 |

(2 × 5 = 10 weightage)