

5. Explain the following :
- (a) Null hypothesis and Alternate hypothesis
 - (b) Type I and Type II error
 - (c) Degree of freedom
 - (d) Level of significance
6. Narrate the different measures of correlation and briefly discuss their uses.
7. Out of 8000 graduates in a town 800 are females. Out of 1,600 graduate employees 120 are females. Use chi-square test to determine if any distinction is made in the appointment on the basis of sex. Table value of chi-square at 5% level of significance for one degree of freedom is 3.841.
8. Explain the significance of a Research Report and narrate the various steps involved in writing such a report.
9. Briefly describe the important parametric tests used in testing of hypothesis.

MP-202/MP-302 (Old)

June – Examination 2022

Master of Business Administration (II Year) Examination

Research Methodology

Paper : MP-202/MP-302 (Old)

Time : 1½ Hours]

[Maximum Marks : 80

Note :- The question paper is divided into two Sections A and B. Write answers as per the given instructions.

Section-A

4×4=16

(Very Short Answer Type Questions)

Note :- Answer any *four* questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to **30** words. Each question carries 4 marks.

1. (i) What is Research ? Describe its nature.
- (ii) Distinguish between questionnaire and schedule.

(iii) What is meant by :

- (a) Frequency polygon
- (b) Histogram
- (c) Frequency curve ?

(iv) Find the median of the following distribution :

Weekly Wages ₹	No. of Workers
60—69	5
70—79	15
80—89	20
90—99	30
100—109	20
110—119	8

- (v) Mention the conditions to be satisfied for the application of Chi-square test.
- (vi) Explain the inductive and deductive qualitative surveys.
- (vii) Define Regression co-efficients. Also write their properties.
- (viii) What do you understand by the processing of the data ? What are the different steps of it ?

Section-B

4×16=64

(Short Answer Type Questions)

Note :- Answer any *four* questions. Each answer should not exceed **200** words. Each question carries 16 marks.

- 2. What is Research Methodology ? What are the different aspects covered in designing methodology for research problem ?
- 3. What are the different techniques of sampling ? Explain with examples.
- 4. From the following table of marks obtained by A and B in 10 tests of 100 marks each, find out who is more intelligent and who is more consistent ?

A	B
25	10
50	70
45	50
30	20
70	95
42	55
36	42
48	60
34	48
60	80