

8. Consider the following data obtained from a sample of 1000 labourers, calculate the standard error of mean :

Weekly Earnings (Rs. Hundred)	No. of Labourers
0–10	50
10–20	100
20–30	150
30–40	200
40–50	200
50–60	100
60–70	100
70–80	100

9. Explain the *t*-test for testing the significance of the difference between two sample means. Also state assumptions involved.

MP–202/MP–302 (Old)

December – Examination 2021

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 Exploratory Research ?
- (ii) What do you mean by Pilot Study ?
- (iii) What do you mean by Stratified Sampling ?
- (iv) What do you mean by Ordinal Scales ?
- (v) What are Secondary Data ?
- (vi) What do you mean by Interquartile Range ?
- (vii) What is Alternative Hypothesis ?
- (viii) What is Positive Correlation ?

Section-B **4×16=64**

(Short Answer Type Questions)

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

2. What do you understand by Research Methodology ? Throw light on various types of research.
3. What are the various types of Research Design ? Explain with examples.
4. What are the methods of Sampling ? How do you select a sample to study consumer behaviour ?

5. What do you understand by the processing of the data ? What are the different steps of it ?
6. The temperatures listed are averages for March, June, September and December. Calculate the Mean and Standard Deviation for each city. Summarize your results in a sentence :

San Francisco, CA	54°F	59°F	62°F	52°F
Albuquerque, NM	46°F	75°F	70°F	36°F

7. A sample of 400 students of post-graduate and 400 students of under-graduate classes was taken to know their opinion about autonomous colleges. 290 of the under-graduate and 310 of the post-graduate students favoured the autonomous status. Present these things in a table and use Chi-square test at 5% level that the opinion regarding autonomous status of colleges is independent of the level of classes of students. Table value at 5% level is 3.84 for 1 d.f.