10. Write explanatory notes on the following :
    (a) Direct Personal Investigation
    (b) Indirect Oral Investigation

11. The following is the record of goals scored by team 'X' in a Hockey game. Calculate standard deviation and its coefficient :

No. of goals scored in a match	No. of matches
1	1
3	2
5	3
7	4
8	5

12. The following table shows the condition of Home and the condition of child :

Condition of Home	Condition of Child			
	Clean	Fairly Clean	Dirty	Total
Clean	76	38	25	139
Not clean	43	17	47	107
Total	119	55	72	246

Do these results suggest that the condition of the home affects the condition of child ? (at 5% level of significance the value of chi-square (χ^2) is 5.991 for 2 degree of freedom).

13. What do you mean by report ? List the essential requirements of Good Report Writing.

MP–202/MP–302(Old)

June – Examination 2024

Master of Business Administration (IInd Year) Examination

RESEARCH METHODOLOGY

Paper : MP–202/MP–302

Time : 3 Hours]   [*Maximum Marks : 80*

Note :– The question paper is divided into three Sections A, B and C. Write answers as per the given instructions.

Section–A   8×2=16

(Very Short Answer Type Questions)

Note :– Answer all 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 2 marks.

1. (i) What should be the qualities of a good research ? (any *two*)

   (ii) What are the various types of sampling ? (name them)

(iii) Distinguish between primary and secondary data.

(iv) Following details are given in respect of *two* series :

	X	Y
σ	50	10
$\overline{X}$	225	210
M	190	180

Distributions are equal ? Do you agree with this ?

(v) What is Hypothesis ? Define null hypothesis.

(vi) How is degree of freedom calculated ?

(vii) If the *two* regression coefficients are 0.8 and 0.6, find the value of correlation coefficients.

(viii) State any *two* characteristics of research report.

Section–B   4×8=32

(Short Answer Type Questions)

Note :– Answer any *four* questions. Each answer should not exceed **200** words. Each question carries 8 marks.

2. What are the different scaling techniques used in Business Research ?

3. Calculate Arithmetic Mean and Median from the following table :

Income between (₹)	No. of Persons
100–200	15
100–300	33
100–400	63
100–500	83
100–600	100

4. Discuss the uses of computers in Business Research.

5. What is a qualitative research ? Distinguish between qualitative and quantitative research.

6. What is a research design ? Highlight the features of a good research design.

7. Differentiate between :
   (a) Discrete variable and continuous variable
   (b) Inclusive series and exclusive series

8. Explain type I error and type II error in detail.

9. What do you mean by rank-correlation ? How will you measure it ?

Section–C   2×16=32

(Long Answer Type Questions)

Note :– Answer any *two* questions. You have to delimit your each answer maximum up to **500** words. Each question carries 16 marks.