FACULTY OF MANAGEMENT
MBA (CBCS) II-Semester (Very Old) Examination, August 2023
Subject: Business Research Methods
Paper – MB – 203

Time 3 Hours **Max. Marks: 80**

PART – A
Note: Answer all the questions. **(5 x 4 = 20 Marks)**

1. Explain Descriptive Studies
2. Explain Joint Probability
3. Mention Benefits of Sampling
4. Explain Chi-square Distribution
5. Explain Report Writing

PART – B
Note: Answer all the questions. **(5 x 12 = 60 Marks)**

6. (a) Explain the nature of Business Research?

(OR)

(b) From the following data calculate Mean, Median and Mode and make your own interpretation.

Class Interval	10-20	20-30	30-40	40-50	50-60	60-70
Frequency	8	15	19	19	10	11

7. (a) Explain Baye's Theorem and its application?

(OR)

(b) Calculate Binomial Distribution to the following data

X	0	1	2	3	4
F(x)	111	55	10	3	2

8. (a) Explain the sources and methods of Data Collection?

(OR)

(b) What are the benefits of Sampling? Explain its techniques?

9. (a) Explain One-way Analysis of Variance?

(OR)

(b) An ABC Company wishes to test the average life of the four brands of electric batteries. The Company uses all brands in a randomly selected Production Plants. The records showing the lives in ("00" hrs) of batteries in the given below table.

Brand 1	Brand 2	Brand 3	Brand 4
20	22	24	16
22	18	20	18
20	20	20	17
15	23	18	18
	19	17	

Test the Hypothesis that the Average Life for each Brand of Electric Batteries is the same Assume Alpha 1%.

10 (a) Find Karl Pearson's Coefficient Correlation to the following:

X	35	43	51	50	35	40	43	61
Y	65	75	85	70	72	70	75	74

(OR)

(b) Explain Regression Analysis both X on Y and Y on X.

X	2	4	8	6	10
Y	1	3	5	7	4

* * *