

Code No. 12042

FACULTY OF MANAGEMENT

M.B.A. II – Semester (CBCS) Examination, November 2020

Subject: Business Research Methods

Paper – MB – 203

Time: 2 Hours

Max. Marks: 80

PART – A

Note: Answer any four questions.

(4x5 = 20 Marks)

- 1 Descriptive Research
- 2 Marginal Probability
- 3 Interval Scale
- 4 Goodness of Fit
- 5 Spearman's Rank Correlation

PART – B

Note: Answer any four questions.

(4x15 = 60 Marks)

6. Explain various types of Research, and give a suitable examples?
7. Discuss the features of a Good Research?
8. Explain about Baye's theorem with the help of suitable example?
9. In a company, the average number of phone calls per minute coming into a switch board is 3.2. Find the probability that during one particular minute there will be
 - i) Atleast 5 calls
 - ii) Exactly 4 calls
 - iii) No phone calls.
10. Explain reliability and validity of a scale?
11. What are the methods of sampling? Explain in briefly.
12. What is estimation? What are the properties of a good estimator?
13. 200 Digits were chosen at random from a set of tables. The frequencies of the digits were:

Digit	0	1	2	3	4	5	6	7	8	9
Frequency	18	19	23	21	16	25	22	20	4	15

Calculate χ^2 and test whether data is uniformly distributed.

14. Following figures gives the rain fall in inches and production in '00mds for Rabi crops for number of years. Find the coefficient of correlation between rainfall and production.

Rainfall	20	22	24	26	28	30	32
Production	15	18	20	32	40	39	40

15. Find the equation of the line of regression of x on y for the following data:

x	1.0	1.5	2.0	2.5	3.0	3.5	4.0
y	5.3	5.7	6.3	7.2	8.2	8.7	8.4

- Find the (i) x on y
(ii) y on x

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