Code No. 9022

FACULTY OF MANAGEMENT

M.B.A. (CBCS) II – Semester (New) Examination, July / August 2017

Subject: Business Research Methods

Paper – MB – 203

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

Note: Answer all the questions from Part-A and Part-B.
Each question carries 4 marks in Part-A and 12 marks in Part-B.

PART – A (5x4 = 20 Marks)
[Short Answer Type]

Note: Answer all the questions in not more than one page each.

1 What is standard error?

2 Explain Joint probability.

3 What is Stratified Random Sampling?

4 Explain confidential interval.

5 Discuss the concept of correlation analysis.

PART – B (5x12 = 60 Marks)
[Essay Answer Type]

Note: Answer all the questions by using internal choice.

6 a) Distinguish between exploratory research and descriptive research with suitable examples.

OR

b) Find the mean and median of the following distribution.

Wages (Rs)	20-30	30-40	40-50	50-60	60-70
No. of workers	3	5	20	10	5

7 a) A husband and wife appear in an interview for two vacancies in the same post. The probability of husband's selection is 1/7 and that of wife's selection is 1/5. What is the probability that only one of them will be selected?

OR

b) An automatic machine makes paper clips from coils of wire. On the average, 1 in 400 paper clips is defective. If the paper clips are packed in boxes of 100. What is the probability that any given box of clips will contain i) no defective, ii) one or more defective and iii) less than two defectives.

8 a) What are the different sources of primary data and secondary data?

OR

b) Explain various probabilistic sampling methods.

9 a) A company wanted to introduce a new plan of work and a survey was conducted for this purpose. Out of sample of 500 workers in one group 62% favoured the new plan and another group of sample of 400 workers 41% were against the new plan. Is there any significant difference between the two groups in their attitude towards the new plan at 5% significance level?

OR

b) Four technicians analyzed three samples each for the moisture content in the sample. The results are given below:

Samples	Technicians			
	A	B	C	D
X	9	12	10	11
Y	12	11	15	12
Z	9	10	12	14

Analyze the data and comment. Use 5% significance level.

10 a) Find Karl Pearson's coefficient correlation to the following:

X	48	39	65	80	73	60	52	120
Y	10	50	120	225	90	60	55	25

OR

b) Find both regression lines to the following. Estimate the coefficient correlation and comment.

X	13	48	88	42	22	10	6
Y	8	52	82	84	22	10	6

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