

Roll No.

Total No. of Pages : 02

Total No. of Questions : 08

BBA (Rural Development / SIM) (Sem.-2)

BUSINESS STATISTICS

Subject Code : BBA-201-18

M.Code : 75916

Date of Examination : 19-07-21

Time : 2 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE question(s), each question carries 12 marks.

1. Define statistics and its limitations. Discuss the scope of statistics in business.
2. Why there is need of sampling? Explain any three probability sampling techniques with their merits and demerits.
3. Calculate mean, median and mode from the following data :

Marks	30-40	40-50	50-60	60-70	70-80	80-90	90-100
No. of students	3	4	6	10	6	4	3

4. Why there is need to calculate standard deviation and coefficient of variation? Compute the standard deviation and coefficient of variation from the following data :

Size of item	12	11	10	9	8	7	6
Frequency	4	5	8	13	9	6	3

5. Find Karl Pearson coefficient of correlation for the following data :

X	10	12	18	16	15	19	18	17
Y	30	35	45	44	42	48	47	46

6. Differentiate between correlation and regression. Also explain the properties of regression coefficients.
7. a) What do you understand by the term probability? Discuss its importance in business decision making.
b) Three cars A, B and C are in a race. A is twice as likely to win as B and B is twice as likely to win as C. What are the respective probabilities of winning?

8. Write a note on Binomial Distribution. What are the conditions necessary for binomial distribution? Explain the steps required for fitting of a Binomial Distribution.

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Any student found making any change/addition/modification in contents of scanned copy of answer sheet and original answer sheet, shall be covered under UMC provisions.