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(20517)

Roll No.

BBA-II Sem.

18048

B. B. A. Examination, May 2017

BUSINESS STATISTICS

(BBA-204)

(New)

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt questions from all Sections as per instructions.

Section-A

(Very Short Answer Questions)

Attempt all the *five* questions of this Section. Each question carries 3 marks. Very short answer is required not exceeding 75 words. $3 \times 5 = 15$

1. "Statistics is the science of averages." Explain.
2. Give the meaning and definition of classification.
3. From the following information, find out the range and its coefficient :
391, 384, 591, 407, 672, 522, 777, 733, 2828, 1490.

(2)

4. Define probability.
5. Calculate mode, if arithmetic mean is 15.6 and median is 15.73.

Section-B

(Short Answer Questions)

This Section contains three questions, attempt any *two* questions. Each question carries $7\frac{1}{2}$ marks. Short answer is required not exceeding 200 words. $7\frac{1}{2} \times 2 = 15$

6. What do you understand by sampling? Discuss its role in economic analysis.
7. Explain the concepts of correlation and regression. How do they differ from each other?
8. Calculate the quartile deviation and its coefficient from the following table :

| C.I. | F |
|-------|----|
| 10-20 | 3 |
| 20-30 | 5 |
| 30-40 | 15 |
| 40-50 | 10 |
| 50-60 | 4 |
| 60-70 | 2 |

18048

Section-C**(Detailed Answer Questions)**

This Section contains five questions, attempt any *three* questions. Each question carries 15 marks. Answer is required in detail. $15 \times 3 = 45$

9. What do you understand by graphical presentation? Describe its advantages, disadvantages and various forms.
10. Define Statistics and discuss its nature and scope.
11. Distinguish between positive and negative correlation. Explain the interpretation of correlation with the help of Scatter diagrams.
12. Calculate Mean and Mode from the following data :

| C.I. | F |
|-------|----|
| 0-10 | 12 |
| 10-20 | 8 |
| 20-30 | 15 |
| 30-40 | 11 |
| 40-50 | 4 |

13. Calculate Karl Pearson's coefficient of correlation between the age of husbands and wives from the following data :

| | | | | | | |
|---------------|----|----|----|----|----|----|
| Husband's age | 32 | 35 | 27 | 38 | 25 | 40 |
| Wife's age | 28 | 32 | 26 | 35 | 24 | 38 |