A (Printed Pages 4)

(20622) Roll No. ....

BBA-II Sem.

18080

B.B.A. Examination, June-2022
QUANTITATIVE TECHNIQUES
FOR BUSINESS

(BBA-201)
(New)

Time : Three Hours] [Maximum Marks : 75

Section-A

(Very Short Answer Questions)

Note : Attempt **all** questions.

1 Statistics is the science of counting. Explain. 3

2. Mean of 100 items is found to be 30. If at the time of calculation, two items are wrongly taken as 32 and 12 instead of 23 and 11, find the correct mean. 3

P.T.O.

3. Calculate the range and its coefficient from the following data:- 3

20,8,0,-30,-5,4

4. Give the meaning and definition of classification. 3

5. Explain various mathematical properties of standard deviation. 3

Section-B

(Short Answer Questions)

Note : Attempt any **two** questions.

6. Discuss the merits and demerits of Karl Pearson's coefficient of correlation. 7.5

7. What is the chance of throwing a total of 5 or 11 with two dice? 7.5

8. If the arithmatic mean of the following frequency distribution is 39.25, find the

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missing term. 7.5

Daily wages	25	30	35	50	60	75
No. of labour	10	?	13	8	5	4

Section-C
(Detailed Answer Questions)

Note : Attempt any three questions.

9. Calculate standard deviation and coefficient of variation from the following data: 15

X	10-30	30-50	50-70	70-90	90-110	110-130	130-150
F	14	59	101	61	28	17	4

10. What do you understand by graphical presentation? Describe its advantages, disadvantages and various forms. 15

11. From the following data obtain the two regression equations: 15

Sales	91	97	108	121	67	124	51	73	111	57
Purchases	71	75	69	97	70	91	39	61	80	47

P.T.O.

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12. What is spearman's rank correlation? Bring out its usefulness. How does the coefficient differ from Karl Pearson's coefficient of correlation? 15

13. What is an index number? Explain the erms price relative, quantity relative and value relative. Discuss in brief the uses of an index number. 15

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