

(20519)

Roll No.

Total Questions : 13]

[Printed Pages : 4

18048

B.B.A. IInd Semester Examination, May-2019

BUSINESS STATISTICS

(BBA-204)

Time : 3 Hrs.]

[M.M. : 75

Note :- Attempt all the Sections as per instructions.

Section-A

(Very Short Answer Type Questions)

Note :- Attempt all the *five* questions. Each question carries 3 marks.

1. Define Statistical Investigation.
2. Stratified Random Sampling.
3. Define the term Histogram and Frequency Polygon.

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(1)

Turn Over

4. In a moderately asymmetrical distribution, the values of mode and median are 32.1 and 35.4 respectively. Find the mean value.
5. Calculate G. M. from the following :
- X : 10, 110, 135, 120, 50, 59, 60, 7

Section-B

(Short Answer Type Questions)

Note :- This section contains three questions. Attempt any *two* questions. Each question carries $7\frac{1}{2}$ marks.

6. What are the uses of coefficient of variation in Statistical Analysis ? Discuss.
7. Discuss the merits and demerits of Rank Correlation Coefficient.
8. (a) A card is drawn from a pack of cards. Find the probability of getting a queen or a diamond or a red card.
- (b) A bag contains 6 red and 4 green balls. Two balls are drawn blind folded once by one without replacement. What is probability that both will be of red colour ?

Section-C

(Long Answer Type Questions) $3 \times 15 = 45$

Note :- This section contains five questions. Attempt any *three* questions. Each question carries 15 marks.

9. Define Statistics. Discuss its application in the management of business enterprises. What are its limitations, if any ?
10. Define probability and explain the importance of this concept in statistics.
11. Define classification and explain in brief the various type of classifications.
12. Find out missing frequencies in the following incomplete distribution :

C.I.	0-10	10-20	20-30	30-40	40-50
f	3	?	20	12	?

The values of Median and Mode are 27 and 26 respectively.

13. Calculate Karl Person's coefficient of correlation from the following data and interpret it :

Age of Husband (Year)	Age of Wife (Year)
25	20
26	22
27	24
28	25
30	26
32	27
35	31

C.I.	0-10	10-20	20-30	30-40	40-50