

(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.

**NA-583**

( 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 7½ 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 ?

**NA-583**

( 2 )

**Section-C**

**(Long Answer Type Questions) 3×15=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 |
| <i>f</i> | 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<br>(Year) | Age of Wife<br>(Year) |
|--------------------------|-----------------------|
| 25                       | 20                    |
| 26                       | 22                    |
| 27                       | 24                    |
| 28                       | 25                    |
| 30                       | 26                    |
| 32                       | 27                    |
| 35                       | 31                    |