V

(20516)

Roll No. ....

BBA-II Sem.

18048

B.B.A. Examination, May 2016

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.   3×5=15

1. What is random sample? What are its various kinds?

2. Statistics is a science of counting. Explain.

3. The median of the following observation arranged in the ascending order is 26. Find the value of x :

    10, 12, 15, 17, $x+2$, $x+4$, 31, 33, 36, 42.

4. What is mean deviation? How is it calculated.

5. Find out the range and its coefficient of the following items :

    −2, −3, −8, −7, −1, −20, −17.

Section-B

(Short Answer Questions)

This Section contains three questions, attempt any *two* questions. Each question carries 7½ marks. Short answer is required not exceeding 200 words.   7½×2=15

6. Find out coefficient of skewness by quartile measures :

Mid point	15	20	25	30	35	40
Frequencies	30	28	25	24	20	21

7. Explain clearly the limitations of Statistics.

8. Explain the concept of regression.

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.   15×3=45

9. Calculate Karl Pearson's coefficient of correlation between price and supply of a commodity from the following data :

Price(Rs.)	17	18	19	20	21	22	23	24	25	26
Supply(kg.)	38	27	38	33	32	33	34	29	26	33

10. Compute, Mean, Median and Mode from the following distribution :

Marks(less than)	10	20	30	40	50	60	60 and over
No. of Students	8	22	44	68	84	96	4

11. What are the various methods of collecting statistical data? Which of these is most reliable and why?

12. What is meant by correlation? What is its significance in statistical analysis? Discuss briefly the differen measures of correlation.

13. What do you understand by graphical representation? Discuss its advantages, disadvantages and various forms.