Total No. of Questions : 18

BBA (2014 to 2017)/BRDM/B.SIM (2014 & Onwards) (Sem.–3)
BUSINESS STATISTICS
Subject Code : BBA-304
M.Code : 70625

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
1.   SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2.   SECTION-B consists of FOUR Sub-sections : Units-I, II, III & IV.
3.   Each Sub-section contains TWO questions each, carrying TEN marks each.
4.   Students have to attempt any ONE question from each Sub-section.

SECTION-A

Answer briefly :

1. What is meant by classification of data?

2. State the objectives of central tendency measures.

3. Explain what is the meaning of measures of variation?

4. What is meant by coefficient of regression?

5. What is standard error of estimate?

6. What are seasonal indices?

7. What is meant by weighted price index?

8. Explain what is the meaning of irregular variations?

9. Discuss the concept of random variables.

10. State the multiplicative theorem of probability.

SECTION-B

UNIT-I

11. Discuss the different techniques of data collection, giving examples.

12. Discuss and differentiate between mean deviation and standard deviation. Also comment on the significance of coefficient of variation.

UNIT-II

13. What is meant by correlation? List and explain the various methods of studying correlation.

14. Find out the regression equation of Y on X from the following data :

X	10	20	30	40	50
Y	105	130	155	180	205

UNIT-III

15. What are index numbers? What is their importance and uses in business? Discuss the test for an ideal index number.

16. Define Time Series. List and explain the various components of time series.

UNIT-IV

17. Discuss and differentiate between classical approach, relative frequency approach and subjective approach to probability.

18. State the Baye's theorem. How is it different from conditional probability? Also discuss the relevance of Baye's theorem to business management.