

**Faculty of Business Management**  
**BBA II-Year, CBCS-III Semester Regular Examinations, Dec/Jan 2019-20**  
**PAPER: BUSINESS STATISTICS**

Time: 3 Hours

Max Marks: 80

**Section-A**

I. Answer any FIVE of the following questions (5x4=20 Marks)

1. Types of diagrams
2. Selection of an average
3. Quartile deviation
4. Type-I and type-II errors
5. Lines of regression
6. Types of Data
7. Merits of Mode
8. Scatter diagram

**Section-B**

II. Answer the following questions (5x12=60 Marks)

9. (a) What do you mean by classification of data? State the rules underlying classification of data.

(OR)

- (b) What are the sources of secondary data? What precautions should be taken in the use of secondary data?

10. (a) Find out the Mean, Median and the Mode in the following series:

Size (below)	5	10	15	20	25	30	35
Frequency	1	3	13	17	27	36	38

(OR)

- (b) "What are the requisites of a good measure of dispersion? In the light of those, comment on some of the well-known measures of dispersion."

11. (a) Calculate the Karl Pearson's co-efficient of skewness from the following data:

Size	1	2	3	4	5	6	7
Frequency	10	18	30	25	12	3	2

(OR)

- (b) Define dispersion. In your opinion which is the best method of finding dispersion and why?

12. (a) Explain the procedure generally followed in testing of hypothesis.

(OR)

- (b) What is sampling? Discuss the various methods of sampling.

13. (a) Define correlation. Explain the various types of correlation with suitable examples.

(OR)

- (b) The following data related to the scores obtained by 9 salesmen of a Company in an intelligence test and their weekly sales in thousand rupees
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|------------------------|----|----|----|----|----|----|----|----|----|
| Salesmen Intelligence: | A  | B  | C  | D  | E  | F  | G  | H  | I  |
| Test Scores:           | 50 | 60 | 50 | 60 | 80 | 50 | 80 | 40 | 70 |
| Weekly Sales:          | 30 | 60 | 40 | 50 | 60 | 30 | 70 | 50 | 60 |
- Obtain the regression equation and sales on Intelligence test scores of the salesmen

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