

Q.18 What are the business applications of measures of central tendency?

Q.19 Define the following with formula

- i. Variance
- ii. Standard deviation

Q.20 Write meaning of Index number. Also write its 3 disadvantages.

Q.21 Define mean and median. Also write down their formulas.

Q.22 Define data along with its types.

#### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Define statistics. Explain the importance of statistics in business management.

Q.24 Explain secondary Data . What are the sources to collect secondary data?

Q.25 Discuss presentation of data . Explain different types of diagram.

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**2nd Sem / FAA, Business Management**

**Subject : Business Statistics**

Time : 3 Hrs.

M.M. : 60

#### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Statistics is an aggregation of

- a) Facts
- b) Emotions
- c) Intelligent people
- d) Opinions

Q.2 Which one of the following is an Absolute measure of dispersion?

- a) Standard Deviation
- b) Variance
- c) Co-efficient of variation
- d) Both A and B

Q.3 Which of the following is not a characteristic of statistics?

- a) Numerically expressed
  - b) Aggregation of facts
  - c) Collection of opinion
  - d) Affected by various cause
- Q.4 Which of the following is not a measure of the Dispersion?
- a) Range                                      b) Quartile deviation
  - c) Mode                                        d) Variance
- Q.5 Which of the following is a source of secondary data collection?
- a) Magazines                                      b) Newspapers
  - c) Govt. Publication                                      d) All of the above
- Q.6 Which of the following is not a measure of central tendency?
- a) Mean                                              b) Mode
  - c) Correlation                                              d) Median

### SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Direct personnel investigation is a method of secondary data collection. ( True / False)

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- Q.8 Index numbers are used to compare changes in variables over time. ( True / False)
- Q.9 Harmonic mean is a measure of central tendency. ( True / False)
- Q.10 The median is affected by extreme values in a data set. ( True / False)
- Q.11 A bar chart is suitable for comparing the frequency of categories. ( True / False)
- Q.12 Range is a measure of dispersion that indicates the difference between the largest and smallest values in a data set. ( True / False)

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Write definition of statistics. Mention 4 advantages of statistics.
- Q.14 Describe sampling with an example. Name 2 methods of sampling.
- Q.15 Write meaning of primary Data . Mention 4 different sources of primary data collection
- Q.16 Define tabulation. Mention its importance.
- Q.17 Define Diagrams. Also mention the 4 advantages of diagrams.

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