

- Q.26 Explain in brief-
- a) Tables
  - b) Graphs
- Q.27 Write four merits of Sampling Methods.
- Q.28 Explain in brief with formula
- a) Mean for individual
  - b) Median for individual
- Q.29 Write for methods of sampling.
- Q.30 Write the components of time series analysis.
- Q.31 Explain the merits of graphs.
- Q.32 Write four Differences Between Mean & Median.
- Q.33 Write formula of any two methods of Index Number.

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**1st year Branch : FAA  
Subject : Business Statistics**

Time : 3 Hrs. M.M. : 90

**SECTION-A**

**Note: Multiple Choice Questions. All Questions are compulsory. (9x1=9)**

- Q.1 Statistics is
- a) Aggregation of facts
  - b) Numerically expressed
  - c) Calculated or estimated
  - d) All of the above
- Q.2 Statistics can be used in
- a) In economics
  - b) In management
  - c) In social sciences
  - d) All of the above
- Q.3 A set of observations recorded at an equal interval of time is called
- a) Mean
  - b) Mode
  - c) Time series data
  - d) Array data
- Q.4 Methods of collecting secondary data
- a) Magazines
  - b) Publication of research institute
  - c) Govt. Publications
  - d) All of the above

- |      |  |                      |
|------|--|----------------------|
| Q.5  | Methods of Presentation of data  |                      |
|      | a) Tabular Presentation  |                      |
|      | b) Diagrammatic Presentation   |                      |
|      | c) Graphic Presentation  |                      |
|      | d) All of the above  |                      |
| Q.6  | Index no. for the base period of always taken as   |                      |
|      | a) 1   | b) 100               |
|      | c) 1000  | d) 0                 |
| Q.7  | Selection of sample items in based only on chance in   |                      |
|      | a) Judgement sampling  | b) Random sampling   |
|      | c) Stratified sampling   | d) None of the above |
| Q.8  | What is the median on 33, 86, 68, 32, 80, 48, 70?  |                      |
|      | a) 68  | b) 70                |
|      | c) 33  | d) 48                |
| Q.9  | The mean or average used to measure central tendency is called   |                      |
|      | a) Sample mean   | b) Arithmetic mean   |
|      | c) Negative mean   | d) Population mean   |
| Q.10 | Median is a type of Positional Average. (True/False)   |                      |
| Q.11 | If we use the data collected by some other person it is known as Primary data collection. (True/False) |                      |
| Q.12 | Secondary data method involves more time and more expenses. (True/False)                               |                      |
| Q.13 | Seasonal variations are short term variations with period more than 5 years. (True/False)              |                      |
| Q.14 | Stratified sampling is a type of sampling method. (True/False)   |                      |
| Q.15 | Graph of a time series is called Historigram. (True/False)   |                      |
| Q.16 | Median is a type of average. (True/False)  |                      |

## **Section-B**

**Note:** Objective/Completion type questions. All questions are compulsory. (9x1=9)

- Q.10 Index no. is equal to average of the price relatives.  
(True/False)

Q.11 In Convenience sampling selection of every sampling unit is based on chance. (True/False)

- Q.12 Median is a type of Positional Average. (True/False)
  - Q.13 If we use the data collected by some other person it is known as Primary data collection. (True/False)
  - Q.14 Secondary data method involves more time and more expenses. (True/False)
  - Q.15 Seasonal variations are short term variations with period more than 5 years. (True/False)
  - Q.16 Stratified sampling is a type of sampling method. (True/False)
  - Q.17 Graph of a time series is called Historigram. (True/False)
  - Q.18 Median is a type of average. (True/False)

## **Section-C**

**Note: Short answer type Question. Attempt any twelve questions out of fifteen Questions. (12x4=48)**

- Q.19 Explain four merits of statistics.

Q.20 Describe Any Four Methods of Collecting Primary Data.

Q.21 Explain different type of Tabulation.

Q.22 Describe any Four Types of Graphs.

Q.23 Explain Four Limitations of Statistics.

Q.24 Write Essential Elements for preparing A good Questionnaire.

Q.25 Explain any four method of collecting Primary Data.