

- 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.

#### Section-D

**Note: Long answer questions. Attempt any three question out of four Questions. (3x8=24)**

- Q.34 Describe Business Statistics. Explain its Scope & Functions.
- Q.35 Define diagrams. Explain its merits and demerits.
- Q.36 Define Sampling. Explain its methods.
- Q.37 Define Index numbers. Describe its methods.

No. of Printed Pages : 4  
Roll No. ....

184115

**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 is 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

#### 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 Histogram. (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.