

- Q.23 What is central Tendency / Average.
  - Q.24 Write any four merit of arithmetic mean?
  - Q.25 Explain the degree of correlation.
  - Q.26 Write any four characteristics of index number?
  - Q.27 What are the difference between universe & sample
  - Q.28 Explain the method of mode?
  - Q.29 Write the function of Average method?
  - Q.30 Explain the component of Times Series?
  - Q.31 State four demerit of median describe the relationship between mean median & mode?
  - Q.32 What is the difference between positive & negative corealtion?
  - Q.33 What are the uses of whole sale price index number

## **SECTION-D**

**Note:** Long answer type questions. Attempt any three questions out of four questions.  $(3 \times 8 = 24)$

- Q.34 Define Medium? Explain its merit & demerit?

Q.35 Describe the main problem which are faced in the construction of index number of prices.

Q.36 Discuss the various methods of measuring arithmetic mean point out its merit & demerit ?

Q.37 Explain in detail the component of time series?

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## **First Year / Finance Account & Audit**

### **Subject : Business Statistics**

Time : 3 Hrs.

M.M. : 90

## **SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (9x1=9)

- Q.1 Reliability of sampling data depends on

  - size of sample
  - method of sampling
  - training of enumerators
  - all of these

Q.2 For drawing lottery \_\_\_\_\_ sampling is used

  - Random
  - purposive
  - stratified
  - quito

Q.3 Median divides a series into how many parts

  - Two
  - Three
  - Four
  - All of these

Q.4 Base year is also known as

  - Current year
  - reference
  - periodic year
  - none of these

- Q.5 Which is not a method to find arithmetic mean  
a) Direct method  
b) Short cut method  
c) step deviation method  
d) none of these
- Q.6 Which of the following is note type of non probability sampling  
a) Quoto sampling  
b) Convenience sampling  
c) Snow ball sampling  
d) stratified random sampling
- Q.7 A time series consist of  
a) Sort term variation b) Long term variation  
c) irregular variation d) All of the above
- Q.8 The graph of time series is called  
a) Histogram b) Straight line  
c) historigram d) Ogive
- Q.9 Which of the following is a type of mathematically average  
a) Median b) Partition value  
c) Mode d) none of these

## SECTION-B

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

- Q.10 Index numbers measures relative changes in the variable overtime (True/False)
- Q.11 In mean deviation, negative deviation are also treated as positive deviation (True/False)
- Q.12 Median is free from the effect of extreme value (True/False)
- Q.13 The title of a table must be provided at the bottom centre of the table (True/False)
- Q.14 Define median. (True/False)
- Q.15 Define control chart?
- Q.16 Write any one component of Time Series?
- Q.17 Cost of living index is also known as \_\_\_\_\_ consumer price index/ whole sale price index.
- Q.18 Define Mode.

## SECTION-C

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

- Q.19 State the utilities of index number
- Q.20 Mention four main merit census method of sampling
- Q.21 Discuss the limitation of index number.
- Q.22 Explain the utility of time series.