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Q.24 What points should be kept in mind while drafting a good questionnaire?

Q.25 Explain Diagram with its merits and demerits.

## 1st Year / DBM

**Subject : Basics of Statistics**

Time : 3 Hrs.

M.M. : 60

## SECTION-A

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

Q.1 Find the mean of data 6,4,2,3,5.

a) 3                      b) 4

c) 5                      d) 6

Q.2 Median of 11, 10, 9, 8, 4 is

a) 8                      b) 9

c) 10                      d) 11

Q.3 Which of the following is not a source of collection of primary data?

a) Direct personal investigation

b) Indirect Oral investigation

### c) Published Sources

#### d) Questionnaire Method

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- Q.4 The principle component of a table is:
- Table number
  - title
  - Head note
  - All of these
- Q.5 Which of these is not a measure of central tendency?
- Mean
  - Mode
  - Median
  - Range
- Q.6 Graph of time series is called:
- Line graph
  - Trend
  - Histogram
  - Historigram

### SECTION-B

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

- Q.7 The most repeated term in a data is called\_\_\_\_\_.
- Q.8 Mode of the data 2,3,2,4,2,3 is\_\_\_\_\_.
- Q.9 \_\_\_\_\_ is a type of bar diagram.
- Q.10 \_\_\_\_\_ and \_\_\_\_\_ are the methods of measuring central tendency.
- Q.11 \_\_\_\_\_ and \_\_\_\_\_ are types of data.
- Q.12 The middle observation in an arranged set of data is called\_\_\_\_\_.

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### SECTION-C

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

- Q.13 Define data. Explain its two types.
- Q.14 What is indirect oral investigation ? Write its advantages.
- Q.15 Explain the types of graphs.
- Q.16 What is a table? Explain the essentials of a table.
- Q.17 List out the advantages and disadvantages of time series.
- Q.18 Define statistics. What is the importance of statistics in business management?
- Q.19 Find the mean and median of 4,6,2,3,1,8,5.
- Q.20 Differentiate between primary and secondary data.
- Q.21 Mention the components of time series.
- Q.22 State the merits and demerits of mean.

### SECTION-D

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

- Q.23 Find the mean and standard deviation of the data

X:	5	7	9	10	12	15
F:	8	6	2	2	2	6

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