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   _____ is not a measure of central tendency.

a)   Mean   b)   Median

c)   Mode   d)   Range

Q.2   The most repeated (popular) value in a data set

a)   Mean   b)   Median

c)   Mode   d)   S.D.

Q.3   What is the mode of the numbers: 6,5,3,6,3,6,4

a)   5   b)   4

c)   3   d)   6

Q.4   The graph of time series is called:

a)   Histogram   b)   Ogive

c)   Straight line   d)   Histogram

Q.5 The principal component of a table is called:

a) Table number   b) Title

c) Head note   d) All of these

Q.6 The other name of pie diagram is:

a) Circular diagram   b) Bar diagram

c) Histogram   d) Polygon

SECTION-B

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

Q.7 Find mean of the data: 6,5,4,8,9.

Q.8 Define diagram in data presentation.

Q.9 Find median of the data: 8,7,5,3,10.

Q.10 Name components of time series.

Q.11 Name any two types of diagram?

Q.12 What are advantages of tabular representation of data?

SECTION-C

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

Q.13 What is tabulation and write its merits and demerits?

Q.14 Define diagram and write the name of its types?

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Q.15 What is the utility of time series in statistics?

Q.16 Write any 4 merits of diagrammatic representation of data.

Q.17 Find mean of the data- x: 7 3 8 4

f: 4 6 2 9

Q.18 What are merits and demerits of graph?

Q.19 Explain the study of variants and its implication in business decision making.

Q.20 Find median and mode of -12, 10, 12, 8, 3, 12, 8.

Q.21 Explain various methods of presentation of data.

Q.22 Find S.D of following data: 10, 8, 15, 12, 5.

SECTION-D

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

Q.23 Write types of diagrams and their uses in detail.

Q.24 Which points should be kept in mind while making a table?

Q.25 Calculate the mean and standard deviation of the following data

X	2	7	12	17	22
F	2	3	10	3	2

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