1ˢᵗ Year Annual Pattern (Re-app)
Branch : DBM
Sub.: Basics of Statistics

Time : 3 Hrs.   M.M. : 60

SECTION-A

Note: Multiple Choice Questions. All Questions are compulsory.   (6x1=6)

Q.1   Bar diagram is a

a)   One dimensional diagram

b)   Two dimensional diagram

c)   Diagram with no dimension

d)   None of these

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

a)   Mean   b) Median

c)   Mode   d) S.D.

Q.3   Which measure of central tendency includes the magnitude of scores?

a)   Mean   b) Median

c)   Mode   d) Range

Q.4   A set of observations recorded at an equal interval of time is called:

a)   Array data   b) Data

c)   Geometric series   d) Time series data

Q.5 The process of presenting data in the form of a table is called:

a) Classification   b) Organization

c) Present   d) Tabulation

Q.6 Pipe chart is:

a) Diagram with no dimension

b) A circle divided in sub-divisions

c) Any form of pictorial representation of data

d) None

Section-B

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

Q.7 Find mode of the data : 6, 5, 3, 6, 3, 6, 1, 6 .

Q.8 Define table in data presentation.

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

Q.10 Name components of time series?

Q.11 Name any two types of graph?

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

Section-C

Note: Short answer type Question. Attempt any Eight questions out of Ten Questions.   (8x4=32)

Q.13 Define diagram with its merits and demerits?

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

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

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

Q.17 Fine mean of the data x : 5 6 3 2

f : 3 1 4 5

Q.18 What are merits and demerits of graph?

Q.19 Find S.D. of following data : 2, 3, 1, 4, 5

Q.20 Find median and mode of 3, 4, 4, 6, 3, 4, 6

Q.21 Write different methods of presentation of data

Q.22 Explain the study of variants and its implication in business decision making.

Section-D

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

Q.23 Which points should be kept in mind while making a table?

Q.24 Write types of graphs and their uses in detail.

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

X	5	15	25	35	45
F	6	4	9	6	5