

## Basic Statistics

Sr	Questions	Answers Choice
1	The measures that are used to determine the degree or extent of variation in a data set are called measures of.....	A. Dispersion B. Central tendency C. Average D. Quartile
2	The square of standard deviation :	A. Standard deviation B. Range C. Dispersion D. Variance
3	In a set of data 41,43,47,51,57,52 ,59 median is:	A. 51 B. 47 C. 52 D. None of these
4	In a circle radius 10 what is the length of arc intercepted by a central angle of 60°:	A. $\pi/3m$ B. $3/10\pi m$ C. $10\pi/3m$ D. $\pi/30m$
5	The extent of variation between two extreme observations of a data set is measured by:	A. Average B. Range C. Quartiles
6	Geometric mean of 2,4,8 is.....	A. 2 B. 4 C. 8 D. 3
7	$\sec^2 \theta - \tan^2 \theta =$ _____.	A. $\sec^2 \theta$ B. $\cos^2 \theta$ C. 1 D. $\sin^2 \theta$
8	a deviation is defined as a difference of any value of the variable from a.....	A. Constant B. Histogram C. sum D. Frequency
9	The size of class interval (6-10) is.	A. 4 B. 5 C. 8 D. 10
10	Types of dispersion are.....	A. 4 B. 5 C. 6 D. 8
11	Variance is denoted by.....	A. V B. S C. $S^2$ D. X
12	The difference between upper limit of two consecutive classes in a frequency table is called:	A. Class limit B. Class interval C. Class mark D. All of these
13	The mean of the squared deviations of $x_i$ ( $i = 1, 2, \dots, n$ ) observations from their arithmetic mean is called:	A. Variance B. Standard deviation C. Range
14	The positive square root of mean of the squared deviations of $x_i$ ( $i=1, 2, \dots, n$ ) observations from their arithmetic mean is called:	A. Harmonic mean B. Range C. Standard deviation
15	A value best representing a set of data is called:	A. Average B. Variance C. Standard deviation D. None of these
16	Harmonic mean for 1,2,5,8,4 is.....	A. 6.08 B. 5.08 C. 7.08

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- 17 In a cumulative frequency Polygon frequencies are plotted against:
- A. Mid points
  - B. Upper class boundaries
  - C. Class limits
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- 18 In the given set of data 5,7,7,5,3,7,2,8,2 mode is:
- A. 9
  - B. 5
  - C. 2
  - D. 7
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- 19 The measures that are used to determine the degree or extent of variation in a data set are called measures of:
- A. Dispersion
  - B. Central tendency
  - C. Average
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- 20 A grouped frequency table is also called.....
- A. Data
  - B. Frequency distribution
  - C. Frequency polygon
  - D. Histogram
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