

Basic Statistics

Sr	Questions	Answers Choice
1	Variance is denoted by.....	A. V B. S C. S^2 D. X
2	Formula $s = r\theta$ is true only when θ is in:	A. degree B. radian C. revolution D. minute
3	A data in the form of frequency distribution is called:	A. Grouped data B. Ungrouped data C. Histogram
4	$1 + \cot^2 \theta =$ _____.	A. $\tan^2 \theta$ B. $\operatorname{cosec}^2 \theta$ C. $\cot^2 \theta$ D. $\sec^2 \theta$
5	The extent of variation between two extreme observations of a data set is measured by.....	A. Average B. Range C. Quartiles D. Mode
6	If the rotation of the ray is clockwise, the angle is _____ in measure:	A. positive B. negative C. initial D. terminal
7	A frequency polygon is a many side.....	A. Closed figure B. Rectangle C. Square D. Circles
8	Mode from the following data ,4.4,5.5,6.6,7.7,8.8,6.5,6.5,7 is.....	A. 4 B. 5 C. 5.6 D. 5.7
9	The observations that divide a data set into four equal parts are called:	A. Deciles B. Quartiles C. Percentiles
10	The value obtained by reciprocating the mean of the reciprocal of $x_1, x_2, x_3, \dots, x_{11}$ observation is called.....	A. Geometric mean B. Median C. Harmonic mean D. S.D
11	The observation that divide a data set into four equal part, are called.	A. Decites B. Quartiles C. Percentiles D. Mode
12	To find the public opinion or trend the most suitable statistics is:	A. Mean B. Median C. Mode D. Variance
13	a deviation is defined as a difference of any value of the variable from a.....	A. Constant B. Histogram C. sum D. Frequency
14	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
15	The concept of antilogarithm is used to find the value of.....	A. A.M. B. G.M. C. H.M D. Mode
		A. Standard deviation

16	In a set of data, the difference between highest value and lowest value is called:	B. Range C. Dispersion D. All of these
17	In the given set of data 5,5,5,5,5,5 the standard deviation is:	A. 5 B. 0 C. 7 D. None of these
18	If $\tan \theta = \sqrt{3}$ then $\theta =$ _____.	A. 30° B. 45° C. 60° D. 90°
19	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
20	The most frequently occurring observation in a data set is called.	A. Mode B. Median C. Harmonic mean D. Mean