

Basic Statistics

Sr	Questions	Answers Choice
1	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 D. Mode
2	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. $\pi/30m$
3	The n th root of product of 'n' number of values is called:	A. Arithmetic mean B. Geometric mean C. Harmonic mean D. Standard deviation
4	The standard deviation is 6 then its variance is.....	A. $\sqrt{6}$ B. 36 C. 3 D. 6
5	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
6	The size of class interval (6-10) is.	A. 4 B. 5 C. 8 D. 10
7	$1 + \cot^2 \theta =$ _____.	A. $\tan^2 \theta$ B. $\operatorname{cosec}^2 \theta$ C. $\cot^2 \theta$ D. $\sec^2 \theta$
8	The class having maximum frequency is called..... class.	A. Modal B. Median C. Lower D. Upper
9	A Deviation is defined as a difference of any value of the variable from a:	A. Constant B. Histogram C. Sum
10	Rang =.....	A. $X_m - X_o$ B. $X_m - X_o$ C. X_m / X_o D. X_o / X_m
11	The circumference of a circle is divided into _____ degrees:	A. 180° B. 270° C. 360° D. 30°
12	Arithmetic mean is a measure that determines a value of the variable under study by dividing the sum of all values of the variable by their:	A. Number B. Group C. Denominator
13	The sum of 30 observations is 1500. Its average will be:	A. 1500 B. 150 C. 15 D. None of these
14	A. Frequency distribution B. Data

14	A cumulative frequency table is also called.....	C. Less than cumulative frequency distribution D. Histogram
15	The number of time a value appears on a set of data is called:	A. Frequency B. Average C. Mode D. Median
16	Sum of deviations of the variable X from its mean is always_____	A. Zero B. One C. Same D. None
17	The extent of variation between two extreme observations in a data is called.	A. Average B. Range C. Quartiles D. None of these
18	$\sec^2 \theta - \tan^2 \theta =$ _____.	A. $\sec^2 \theta$ B. $\cos^2 \theta$ C. 1 D. $\sin^2 \theta$
19	A frequency polygon is a many side.....	A. Closed figure B. Rectangle C. Square D. Circles
20	In a set of observation. 5,5,7,9,9,9,9,11,11,11,11,12,12 the mode is:	A. 9 B. 11 C. Both 9 and 11 D. None of these