

Basic Statistics

Sr	Questions	Answers Choice
1	In a class of frequency distribution 14 - 18, the 18 is:	<p>A. Upper class limit</p> <p>B. Lower class limit</p> <p>C. Class interval</p> <p>D. All of these</p>
2	The measure of central tendency which is not affected by extreme values is called:	<p>A. Median</p> <p>B. Arithmetic mean</p> <p>C. Geometric mean</p> <p>D. None of these</p>
3	In a cumulative frequency polygon frequencies are plotted against.	<p>A. Midpoints</p> <p>B. Upper class boundaries</p> <p>C. Class limits</p> <p>D. Frequency</p>
4	Rang =.....	<p>A. $X_{m} + X_{o}$</p> <p>B. $X_{m} - X_{o}$</p> <p>C. X_{m} / X_{o}</p> <p>D. $X_{o} - X_{m}$</p>
5	In class (10-19) , upper class limit is.	<p>A. 10</p> <p>B. 19</p> <p>C. 29</p> <p>D. 14.5</p>
6	The most frequent occurring observation in a set of data is called.	<p>A. Mode</p> <p>B. Median</p> <p>C. Harmonic mean</p> <p>D. Mean</p>
7	The measures that are used to determine the degree or extent of variation in a data set are called measures of:	<p>A. Dispersion</p> <p>B. Central tendency</p> <p>C. Average</p>
8	In a set of data 63,65,66,67,69, median is:	<p>A. 63</p> <p>B. 66</p> <p>C. 67</p> <p>D. 69</p>
9	The mean of the squared deviations of $x_1, (i = 1, 2, \dots, n)$ observations from their arithmetic mean is called.....	<p>A. Variance</p> <p>B. Standard deviation</p> <p>C. Range</p> <p>D. Mode</p>
10	If $\tan \theta = \sqrt{3}$ then $\theta =$	<p>A. 30°</p> <p>B. 45°</p> <p>C. 60°</p> <p>D. 90°</p>
11	Sum of the deviations of the variable x from its mean is always....	<p>A. Zero</p> <p>B. One</p> <p>C. Same</p> <p>D. Negative</p>
12	A Deviation is defined as a difference of any value of the variable from a:	<p>A. Constant</p> <p>B. Histogram</p> <p>C. Sum</p>
13	A histogram is a set of adjacent.....	<p>A. Squares</p> <p>B. Rectangles</p> <p>C. Circles</p> <p>D. Dots</p>
14	A data in the form of frequency distribution is called:	<p>A. Grouped data</p> <p>B. Ungrouped data</p> <p>C. Histogram</p>
15	Mean is affected by change in	<p>A. Place</p> <p>B. Scale</p> <p>C. Rate</p> <p>D. None of these</p>

16	In a circle radius 10 what is the length of are intercepted by a central angle of 60°:	B. $\frac{3}{10}\pi m$ C. $\frac{10\pi}{3}m$ D. $\frac{\pi}{30}m$
17	The positive square root of mean of the squared deviation of $X_{\{1=1,2,3,\dots,n\}}$ observations from their arithmetic mean is called.	A. Harmonic mean B. Range C. Standard deviation D. Variance
18	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
19	Types of measures of central tendency are.....	A. 3 B. 4 C. 5 D. 6
20	$1 + \cot^2 \theta = \underline{\hspace{2cm}}$.	A. $\tan^2 \theta$ B. $\operatorname{cosec}^2 \theta$ C. $\cot^2 \theta$ D. $\sec^2 \theta$