

Basic Statistics

Sr	Questions	Answers Choice
1	$\sec^2 \theta - \tan^2 \theta = \underline{\hspace{2cm}}$.	A. $\sec^2 \theta$ B. $\cos^2 \theta$ C. 1 D. $\sin^2 \theta$
2	The most frequent occurring observation in a set of data is called.	A. Mode B. Median C. Harmonic mean D. Mean
3	Sum of the deviations of the variable x from its mean is always....	A. Zero B. One C. Same D. Negative
4	In a set of data 63,65,66,67,69, median is:	A. 63 B. 66 C. 67 D. 69
5	An _____ is defined as the union of two non-col-linear rays with some common end point:	A. angle B. vertex C. initial side D. terminal
6	A cumulative frequency table is also called:	A. Frequency distribution B. Data C. Less than cumulative frequency distribution D. More than cumulative frequency distribution
7	If θ lies in 2nd (second) quadrant then $\sin \theta$ and $\operatorname{cosec} \theta$ are:	A. negative B. positive C. zero D. undefined
8	On the basic of types of variable of data, the types of frequency distribution are.	A. 2 B. 3 C. 4 D. 5
9	The measure which determines the middle most observation in a data set is called.	A. Median B. Mode C. Mean D. Rang
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	A histogram is a set of adjacent.	A. Squares B. Rectangles C. Circles D. Closed figures
12	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
13	Mean is affected by change in _____:	A. Place B. Scale C. Rate D. Origen
14	Mean is affected by change in;	A. Place B. Scale C. Rate
15	In a set of observation. 5,5,7,9,9,9,11,11,11,11,12,12 the mode is:	A. 9 B. 11 C. Both 9 and 11 D. None of these
16	A. Negative B. Positive C. Zero D. Undefined

16	Mean of a variable with similar observations any constant k is:	B. k itself C. Zero
17	The size of class interval (6-10) is.	A. 4 B. 5 C. 8 D. 10
18	The measure of central tendency which is not affected by extreme values is called:	A. Median B. Arithmetic mean C. Geometric mean D. None of these
19	Median from the data 2.3,2.7,2.5,3.1 and 1.9 is.....	A. 2.3 B. 2.5 C. 2.7 D. 2.9
20	Range for the data 110,109,84,89,77, 104,74,97,49,59,103,62 is.....	A. 41 B. 51 C. 61 D. 71