

## ECAT Pre General Science Statistics Online Test

Sr	Questions	Answers Choice
1	A set containing only one element is called	A. Disjoint set B. Singleton set C. Universal set D. Proper set
2	The probability distribution of a discrete random variable can be described with the help of a two	A. Rows table B. Column table C. Circles D. Curves
3	The total area under normal curve is	A. Infinity B. unity C. zero D. greater than one
4	Which of the following would likely be a seasonal component of a time series	A. Holidays B. Population growth C. Law suits D. None of these
5	Binomial distribution has two	A. Variables B. Constants C. Parameters D. None of these
6	When a pair of dice is rolled, the sample space consists of	A. 6 outcomes B. 36 outcomes C. 12 outcomes D. 24 outcomes
7	A value calculated from sample is called	A. Parameter B. Variable C. Constant D. Statistic
8	Relative measures have no	A. Negative values B. Decimal values C. Units D. Value
9	The measures of dispersion are changed by a change of	A. Origin B. Scale C. Algebraic sign D. None of these
10	Which one of the following is an example of seasonal variation	A. An increase in consumption of electricity in summer B. A steel strike, delaying production for a week C. A continually increasing demand for smaller automobiles D. None of these
11	The branch of statistics concerned with using probability concepts to deal with uncertainty in decision making is called	A. Estimation B. Statistical Inference C. Point estimate D. None of these
12	Number of instructions processed in one second is called _____ of computer	A. Accuracy B. Speed C. Frequency D. None of these
13	A _____ is a line or curve that shows the general tendency of a time series.	A. Histogram B. Seasonal variation C. Secular Trend D. None of these
14	The heights of all the students enrolled at a college in a given year, is an example of	A. Infinite population B. Finite population C. Discrete sampling D. None of these
		A. Equal

15 In symmetrical distribution, mean, median and mode are  
B. Different  
C. Zero  
D. None of these

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16 For a particular test, alpha = 0.05 and beta = 0.10. The power of this test is  
A. 0.15  
B. 0.90  
C. 0.85  
D. 0.95

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17 Probability sampling is also called  
A. Random sampling  
B. Discrete sampling  
C. Continuous sampling  
D. Standard error

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18 The seasonal variations are  
A. Long term movements  
B. Short term movements  
C. Cyclical fluctuations  
D. Secular trend

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19 G.M becomes zero if any of the observation is  
A. zero  
B. 1  
C. similar  
D. Opposite

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20 If no attributes are specified, then the order of the class is  
A. 0  
B. 1  
C. n  
D. None of these

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