

ECAT Pre General Science Statistics Online Test

Sr	Questions	Answers Choice
1	If x and y are independent variables, then two lines of regression are	A. $x = 0, y = 0$ B. $x = 0, y = \text{const}$ C. $x = \text{const}, y = 0$ D. $x = \text{const}, y = \text{const}$
2	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
3	_____ is the chance variation in an observation.	A. Random error B. Mean C. Deviation D. Discrete Variable
4	The degree of relationship between the two attributes is called	A. Association B. Dichotomy C. Variable D. None of these
5	Recording the time (minutes) taken by the customers to wait for its turns in a utility store while standing in a queue, is an example of	A. Discrete variable B. Continuous variable C. Constant D. Parameter
6	The data which have not undergone any statistical treatment are _____ data	A. Primary B. Secondary C. Grouped D. None of these
7	A set of data depending on the time is called	A. Histogram B. Histogram C. Time series D. None of these
8	A _____ is the totality of items or things under consideration	A. Sample B. Population C. Statistic D. Parameter
9	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
10	In normal probability distribution, all odd order moments about mean are	A. zero B. one C. maximum D. none of these
11	1 GHz equals to	A. 1024 Hz B. 10^4 MHz C. 10^2 MHz D. 1024 MHz
12	The cyclical fluctuations are	A. Long term oscillation B. Short term oscillation C. Secular oscillation D. None of these
13	The hypergeometric model is applied when samples are taken or selections are made, from a finite population	A. With replacement B. Without replacement C. With parameters D. None of these
14	Computer means	A. Complete B. Processing C. Data D. Calculate
15	A descriptive measure on the sample observation is called	A. Statistics B. Statistic C. Survey D. None of these

16	The statement of the alternative hypothesis never contains a(n) _____ sign regarding the specified value of the parameter	A. equal B. greater than C. less than D. None of these
17	The height of students, between 5.0 and 5.9 feet, is an example of	A. Discrete variable B. Continuous variable C. Constant D. Parameter
18	The graph of the time series is called	A. Histogram B. Pie chart C. Bar diagram D. Historigram
19	Mean deviation is always	A. Greater than S.D B. Less than S.D C. Equal to S.D D. Negative
20	_____ is always greater than or equal to zero	A. Range B. Standard deviation C. Mean deviation D. Variance