

## ECAT Pre General Science Statistics Online Test

Sr	Questions	Answers Choice
1	In chain base year method, the is fixed	A. Year B. Price C. Quantity D. Price and quantity
2	The sum of probabilities of a discrete random variable is always	A. 0 B. 1 C. Infinity D. None of these
3	A time series of annual data can contain which of the following components	A. Secular Trend B. Cyclical fluctuation C. Seasonal variation D. (A) and (B) only
4	If the correlation coefficient $r=0$ , the two regression lines are	A. Parallel B. Perpendicular C. Coincident D. Inclined at 45 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°</span> to each other
5	1 GHz equals to	A. 1024 Hz B. 10 <sup>4</sup> MHz C. 10 <sup>2</sup> MHz D. 1024 MHz
6	The variance of a constant is	A. Constant B. Zero C. One D. None of these
7	The statistical estimation of population is divided into	A. two types B. Three types C. cannot divided D. None of these
8	In data of birth's and death'd and epidemics as a result of advancement in medical sciences, the secular trend is usually	A. a downward tendency B. zero tendency C. an upward tendency D. None of these
9	The is an irregular component of variation in a time series	A. Signal B. Noise C. Response D. None of these
10	Exponential smoothing requires	A. Past values of the time series B. Current values of the time series C. Both past and current values of the time series D. Estimation of a time trend regression
11	The index numbers are calculated in	A. Decimal B. Ratios C. Percentages D. Option "A" and "B"
12	The number of pulses generated is one second is called	A. Accuracy B. Frequency C. Hertz D. Data
13	The measures of dispersion are changed by a change of	A. Origin  B. Scale C. Algebraic sign D. None of these
14	The null hypothesis ( $H_0$ ) is the hypothesis that is always	A. rejected B. accepted C. zero D. tested

15	is a measure of number of vibration per second	A. Frequency B. Speed C. Hertz D. Bytes
16	The heights of all the students enrolled at a college in a given year, is an example of	<ul><li>A. Infinite population</li><li>B. Finite population</li><li>C. Discrete sampling</li><li>D. None of these</li></ul>
17	Link relatives are not directly comparable because they have	A. Fixed base B. Not fixed base C. Zero values D. None of these
18	The sum of probabilities of events of a sample space is always	A. Zero B. One C. Two D. Infinity
19	If "a" and "b" are constants, then E(ax + b) =	A. a B. a E (x) C. E (x) D. a E (x) + B
20	The probability distribution of a discrete random variable is usually called its probability	A. Inverse function     B. Mass function     C. Density function     D. Frequency function