

## NAT-IGS General Science Statistics Hard Test

Sr	Questions	Answers Choice
1	Which is correct for the binomial distribution:	A. Mean > Variance B. Mean < Variance C. Mean = Variance D. Mean = standard Deviation
2	A quantitative variable whose values are countable is called	A. Categorical variable B. Continuous variable C. Discrete variable D. None of these
3	The shape of the $C^2$ distribution is	A. Symmetrical B. Negatively skewed C. Positively skewed D. Mesokurtic
4	Variance of b,b,b,b is:	A. b B. 4b C. Zero D. None of these
5	Set of electronic instruction is	A. Hardware B. Software C. Ouput device D. None of these
6	Sum of the random errors is equal to:	A. 3 B. 2 C. 1 D. 0
7	Standard deviation is calculated from H.M	A. Always B. Never C. Often D. None of these
8	In a family with two children how many are girls	A. 0,1 B. 2 C. 0,1,2,3 D. 0,1,2s
9	The hypothesis which is to be tested for possible rejection is	A. Simple B. Composite C. Null D. Alternative
10	Statistics must be:	A. Comparable B. Not comparable C. Discrete in nature D. Qualitative in nature
11	If right tail is longer than the left tail, then distribution is called:	A. Negatively skewed B. Positively skewed C. Symmetrical D. None of these
12	If the null hypothesis is true the probability error is identified by what name	A. b B. 1- b C. a D. 1- a
13	The most commonly used mathematical method for measuring trend is	A. Moving average method B. Semi-average method C. Method of least squares D. Free- hand curve method
14	The model letter of the word statistics is:	A. S B. T C. S & T D. I
15	Is a normal distribution $\mu = 10$ and $\sigma^2 = 25$ the mode is	A. 5 B. 10 C. 25 D. 100

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16	A specific value calculated from sample is called	A. Estimator B. Estimate C. Estimation D. Bias
17	Bias is	A. Cumulative B. Decumulative C. Decreasing D. None of these
18	The probability of an event cannot be	A. =0 B. >0 C. =1 D. <0
19	Sum of deviation of observation from their mean cannot be	A. Zero B. Less than zero C. Other than zero D. Greater than zero
20	How many basic types of index numbers are?	A. 2 B. 3 C. 5 D. 4

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