NAT-IGS General Science Statistics Hard Test

Sr	Questions	Answers Choice
1	The shape of the C^2 distribution is	A. Symmetrical B. Negatively skewed C. Positively skewed D. Mesokurtic
2	Which is correct for the binomial distribution:	A. Mean > Variance B. Mean < Variance C. Mean = Variance D. Mean = standard Deviation
3	Which is correct regarding the normal distribution	A. b₁ = 3 B. b₂ = 0 C. Q.D = 0.7979 S D. Q1 = m 0.6745S
4	Sum of dots when two dice are rolled is:	A. Discrete variable B. continuous variable C. Constant D. Qualitative variable
5	Standard deviation is calculated from harmonic mean:	A. Always B. Never C. Often D. None of them
6	The probability of rejecting H_o when it is true is called	A. Confidence co-efficient B. Level of confidence C. Size of test D. power of the test
7	The hypergeometric distribution has parameters:	A. 2 B. 3 C. 4 D. None of these
8	Bias is	A. Cumulative B. Decumulative C. Decreasing D. None of these
9	For a given set of bivariate data if B_{yx} = 0.52 and b_{xy} = -1.02 then r is	A. 0.73 B. -0.73 C. 0.00 D. 1.00
10	The midpoint of the group 5,5-7,5 is	A. 6 B. 6,5 C. 7 D. 13
11	For the standardized normal variate P(0Σ z Σ1) =.....	A. 0.34135 B. 0.47725 C. 0.49867 D. 0.33725
12	In a 2 x 2 contingency table degrees of freedom is:	A. 4 B. 2 C. 1 D. 8
13	A perfect positive correlation is signified by	A. 0 B. -1 C. +1 D. -1 to +1
14	Var (2x ± 3) is	A. 5 var (x) B. 12 var (x) C. 4 Var (x) D. None of these
15	An estimator is..... if its expected value is equal to the population parameter to be estmated	A. Bad B. Based C. Unbiased D. None of these

16	Sum of random errors is equal to:	A. Zero B. 2 C. 3 D. None of these
17	Given var (x) = 3 and var (y) = 5.1 f x and y are independent variables then var (x- y)=	A. -2 B. 8 C. 24 D. 2
18	The difference of the true value of parameter and corresponding value of sample is called	A. Non-sampling error B. Sampling error C. Random error D. None of these
19	Components of time series are	A. Four B. Three C. Two D. One
20	The most suitable average for index numbers is:	A. Arithmetic mean B. Geometric mean C. Harmonic mean D. Median