ICS Part 2 Statistics Online Test

Sr	Questions	Answers Choice
1	The probability density function has ---------- value for every value of x.	A. negative B. positive C. minimum D. maximum
2	The value of the coefficient of correlation relies between_____.	A. -1 and +1 B. 0 and 1 C. -1 and 0 D. -0.5 and + 0.5
3	C= ----------	
4	In the measurement of secular trend the moving averages	A. give the trend in a straight line B. measure the seasonal variations C. smoothes out a time series D. measure irregular fluctuations
5	A characteristic which varies in quantity from one individual to another is called a_____.	A. Association B. Correlation C. Variable D. Attribute
6	r_{xy} ---------- r_{yx}	A. = B. < C. > D. ≠
7	A statistical hypothesis is an assertion or conjecture about the distribution of random variables	A. one B. two C. one or more D. three
8	The secular trend is measured by the method of semi-averages when	A. time series contains yearly values B. trend is linear C. time series contains odd number of values D. none of these
9	A range of values within which the population parameter is expected:	A. Confidence interval B. Confidence coefficient C. Confidence limits D. Level of significance
10	If two attributes A and B are independent, then co-efficient of association is_____.	A. -1 B. +1 C. 0 D. 0.5
11	The critical region of=χ2distribution is	A. χ2 <χ2v; 1-α B. χ2 <χ2v;1-α C. χ2 <χ2 v;1-α/2 D. χ2 <χ2v;1-α/2
12	Points of inflexion of normal curve are at	A. μ and σ B. x=μ-σ and x=μ+σ C. μ and 2σ D. μ = o

13	Question Image	A. Φ² B. q² C. α² D. β²
14	The population must be defined in terms of	A. content B. unit C. extent D. all of these
15	The normal distribution is a bell shaped_____ distribution.	A. Discrete B. Continuous C. Symmetrical D. Skewed
16	If critical region is located equally in both tails of the sampling distribution of test statistic, the test is called ---------- test	A. one tailed B. two tailed C. left tailed D. right tailed
17	The endpoints of a confidence interval are called:	A. confidence coefficient B. Confidence limits C. Error of estimation D. Parameters
18	If X - N (50,25), then=σ = _____.	A. 3 B. 5 C. 25 D. 50
19	The difference of the true value of population parameter and corresponding value of sample statistic is called	A. non-sampling error B. sampling error C. random error D. none of these
20	If 1-α = 0.90, the value of $Z_{a/2}$ is:	A. 1.645 B. 1.96 C. 2.326 D. 2.575