

## ICS Part 2 Statistics Chapter 15 Online Test

Sr	Questions	Answers Choice
1	The two attributes A and B are negatively associated if	
2	$(\alpha) = (\alpha B) + \dots$	A. $(A\beta)$ B. $(AB)$ <b>C. <math>(\alpha\beta)</math></b> D. $(A)$
3	If two attributes A and B have perfect positive association value of the coefficient of association is equal to _____.	A. +1 B. -1 C. 0 D. $(r-1)(c-1)$
4	Question Image	A. $6\sum d^2$ B. $5\sum d^2$ <b>C. <math>\langle br \rangle</math></b>
5	Question Image	A. $\Phi^2$ B. $q^2$ C. $\alpha^2$ D. $\beta^2$
6	Chi-square curve ranges from:	A. $-\infty$ to $+\infty$ <b>B. 0 to <math>+\infty</math></b> C. $-\infty$ to 0 D. 0 to 1
7	The two attribute A and B are positively associated, if _____.	A. $(AB) = (A)(B)/n$ B. $(AB) < (A)(B)/n$ C. $(AB) \neq (A)(B)/n$ <b>D. <math>(AB) &gt; (A)(B)/n</math></b>
8	$(AB)$ , $(A\beta)$ , $(\alpha B)$ , $(\alpha\beta)$ are called	A. positive class frequencies B. negative class frequencies C. natural class frequencies <b>D. ultimate class frequencies</b>
9	The degree of relationship between the two attributes is called _____.	A. Association B. Correlation C. Contingency D. Quantitative
10	For a $3 \times 3$ contingency table, the number of cells in the table are _____.	A. 3 B. 4 C. 6 <b>D. 9</b>
11	If $(AB) = (A)(B)/n$ , the two attributes A and B are _____.	A. Independent B. Dependent C. Correlated D. Quantitative
12	When the expected frequencies are very small the value of $\chi^2$ has been _____.	A. adjusted B. omitted C. changed D. all of these
13	A characteristic which varies in quality from one individual to another is called	A. variable B. constant <b>C. attribute</b> D. none of these
14	If $6\sum d^2/n(n^2 - 1)$ is zero, the value of $r_s$ is _____.	A. 0.5 <b>B. 1</b> C. -1 D. 0
15	A process of dividing the objects into two mutually exclusive classes of an attribute is called	A. classification B. trichotomy <b>C. dichotomy</b> D. association
16	A characteristic which varies in quality from one individual to another is called an _____.	A. Variable <b>B. Attribute</b> C. Associated

17 A characteristic which varies in quantity from one individual to another is called a\_\_\_\_\_.

A. Association  
B. Correlation  
**C. Variable**  
D. Attribute

18 The shape of the chi-square distribution depends upon\_\_\_\_\_.

A. Parameters  
B. Number of cells  
**C. Degrees of freedom**  
D. Standard deviation

19 The critical region of  $\chi^2$  distribution is

A.  $\chi^2 < \chi^2_{2v; 1-\alpha}$   
**B.  $\chi^2 < \chi^2_{2v; 1-\alpha}$**   
C.  $\chi^2 < \chi^2_{2v; 1-\alpha/2}$   
D.  $\chi^2 < \chi^2_{2v; 1-\alpha/2}$

20 C= -----