

ICS Part 2 Statistics Chapter 15 Online Test

| Sr | Questions | Answers Choice |
|----|--|--|
| 1 | The process of dividing the objects into two mutually exclusive classes is called_____ | A. Bichotomy B. Trichotomy C. Dichotomy D. Multichotomy |
| 2 | Question Image | A. $\Phi^{>2}$ B. $q^{>2}$ C. $\alpha^{>2}$ D. $\beta^{>2}$ |
| 3 | The total area under the curve of chi-square distribution is_____. | A. 1 B. 0.5 C. 0 to ∞ D. $-\infty$ to $+\infty$ |
| 4 | For a 3 x 3 contingency table, the number of cells in the table are _____. | A. 3 B. 4 C. 6 D. 9 |
| 5 | The two attributes A and B are negatively associated if | |
| 6 | (AB), (A β), (α B), ($\alpha\beta$) are called | A. positive class frequencies B. negative class frequencies C. natural class frequencies D. ultimate class frequencies |
| 7 | When the expected frequencies are very small the value of χ^2 has been | A. adjusted B. omitted C. changed D. all of these |
| 8 | If $6\sum d^2/n(n^2 - 1)$ is zero, the value of r_s is _____. | A. 0.5 B. 1 C. -1 D. 0 |
| 9 | The degree of relationship between the two attributes is called | A. regressor B. correlation C. regressand D. association |
| 10 | A characteristic which varies in quality from one individual to another is called an_____. | A. Variable B. Attribute C. Associated D. Independent |
| 11 | $(\alpha) = (\alpha B) + \text{-----}$ | A. (A β) B. (AB) C. ($\alpha\beta$) D. (A) |
| 12 | Question Image | A. $6\sum d^{>1}$ B. $5\sum d^{>1}$ C. $ $ |
| 13 | 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) |
| 14 | If two attributes A and B are independent, then co-efficient of association is_____. | A. -1 B. +1 C. 0 D. 0.5 |
| 15 | The critical region of χ^2 distribution is | A. $\chi^2 < \chi^2_{1-\alpha}$ B. $\chi^2 < \chi^2_{1-\alpha}$ C. $\chi^2 < \chi^2_{1-\alpha/2}$ D. $\chi^2 < \chi^2_{1-\alpha/2}$ |
| 16 | The two attributes A and B are _____ associated, if $(AB) < (A)(B)/n$. | A. Positively B. Negatively C. Zero D. $>$ |

D. Symmetrical

17 The sample size n is reasonably large so that for each cell, the estimated expected frequency must be at least

- A. 2
- B. 3
- C. 4
- D. 5

18 $C =$ -----

19 If $(AB) = (A)(B)/n$, the two attributes, A and B are _____.

- A. Independent
- B. Dependent
- C. Correlated
- D. Quantitative

20 A characteristic which varies in quality from one individual to another is called

- A. variable
- B. constant
- C. attribute
- D. none of these