

13. $\chi^2_{0.05}$ at 9 degrees of freedom = ?
 (a) 14.684 (b) 16.919 (c) 2.262 (d) 1.833 []
14. $\chi^2_{0.01}$ at 19 degrees of freedom = ?
 (a) 28.412 (b) 2.528 (c) 2.845 (d) 37.566 []
15. $\chi^2_{0.01}$ at 14 degrees of freedom = ?
 (a) 29.141 (b) 1.345 (c) 21.064 (d) 1.761 []
16. In the χ^2 -test for the independence of attributes, if we have $r \times s$ contingency table, then degrees of freedom =
 (a) $(r-1)(s-1)$ (b) $r.s$ (c) $(r+1)(s+1)$ (d) None []
17. In the χ^2 -test for the independence of attributes, if we have two attributes A and B such that A and B are divided into m classes each, then the contingency table is of type
 (a) $2 \times m$ (b) $m \times 2$ (c) $r \times s$ (d) None []
18. If the calculated value of $\chi^2 <$ tabulated value of χ^2 , then we
 (a) accept Null Hypothesis (b) reject Null Hypothesis (c) do not take any decision (d) None []
19. The test statistic for using in the χ^2 -test for the population of variance is
 (a) $\chi^2 = \frac{nS^2}{\sigma^2}$ (b) $\chi^2 = \frac{n\sigma^2}{S^2}$ (c) $\chi^2 = \frac{nS}{\sigma^2}$ (d) $\chi^2 = \frac{nS^2}{\sigma}$ []
20. If $n = 10$, $S^2 = 0.01010$ and $\sigma = 0.145$, then $\chi^2 = ?$
 (a) 20.817 (b) -0.0000009 (c) 4.8 (d) None []