

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

- 1) In a goodness of fit test between one observed frequency distribution and one expected frequency distribution, the degrees of freedom are equal to the number of categories minus two. 1) \_\_\_\_\_  
A) False B) True
- 2) In a chi-square goodness-of-fit test when there is close agreement between the observed frequency and the expected frequency, the chi-square test value will be small. 2) \_\_\_\_\_  
A) False B) True
- 3) Find the area to the right of 5.578 under the chi-square distribution with 11 degrees of freedom. 3) \_\_\_\_\_  
A) 0.1 B) 0.45 C) 1.35 D) 0.9
- 4) ANOVA is an abbreviation for the following term: 4) \_\_\_\_\_  
A) analysis of variance B) Scheffé test  
C) Tukey test D) variance
- 5) An  $F$ -test can be used to compare the variances of three or more means. 5) \_\_\_\_\_  
A) False B) True
- 6) The value of the  $F$ -distribution can be negative. 6) \_\_\_\_\_  
A) False B) True
- 7) A researcher is comparing 4 groups to test if they have the same means. There are 64 data values altogether. The degrees of freedom for the Between (dfB) and the degrees of freedom for the Within (dfW) are 7) \_\_\_\_\_  
A) dfB = 3, dfW = 60 B) dfB = 4, dfW = 63  
C) dfB = 60, dfW = 63 D) dfB = 3, dfW = 63

Answer Key

Testname: HW13

- 1) A
- 2) B
- 3) D
- 4) A
- 5) B
- 6) A
- 7) A