STATISTICS WORKSHEET-5

Q1 to Q10 are MCQs with only one correct answer. Choose the correct option.

1. Using a goodness of fit,we can assess whether a set of obtained frequencies differ from a set of frequencies.
   a) Mean
   b) Actual
   c) Predicted
   d) Expected

   Ans- C) Predicted

2. Chisquare is used to analyse
   a) Score
   b) Rank
   c) Frequencies
   d) All of these

   Ans- c) Frequencies

3. What is the mean of a Chi Square distribution with 6 degrees of freedom?
   a) 4
   b) 12
   c) 6
   d) 8

   Ans- c) 6

4. Which of these distributions is used for a goodness of fit testing?
   a) Normal distribution
   b) Chisqared distribution
   c) Gamma distribution
   d) Poission Distribution

5. Which of the following distributions is Continuous
   a) Binomial Distribution
   b) Hypergeometric Distribution
   c) F Distribution
   d) Poisson Distribution

Ans for 4) is c) Chi-square distribution

Ans for 5) is c) F Distribution

6. A statement made about a population for testing purpose is called?
   a) Statistic
   b) Hypothesis
   c) Level of Significance
   d) TestStatistic

   Ans- b) Hypothesis

7. If the assumed hypothesis is tested for rejection considering it to be true is called?
   a) Null Hypothesis
   b) Statistical Hypothesis
   c) Simple Hypothesis
   d) Composite Hypothesis

   Ans- a) Null Hypothesis

8. If the Critical region is evenly distributed then the test is referred as?
   a) Two tailed
   b) One tailed
   c) Three tailed
   d) Zero tailed

   Ans- a) Two tailed

9. Alternative Hypothesis is also called as?
   a) Composite hypothesis
   b) Research Hypothesis
   c) Simple Hypothesis
   d) Null Hypothesis

   Ans- b) Research Hypothesis

10. In a Binomial Distribution, if 'n' is the number of trials and 'p' is the probability of
    success, then the mean value is given by _____
    a) np
    b) n
            Ans- a) np