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 ✓
2. Chisquare is used to analyse
   a) Score
   b) Rank
   c) Frequencies ✓
   d) All of these
3. What is the mean of a Chi Square distribution with 6 degrees of freedom?
   a) 4 ✓
   b) 12
   c) 6
   d) 8
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
6. A statement made about a population for testing purpose is called?
   a) Statistic
   b) Hypothesis ✓
   c) Level of Significance
   d) TestStatistic
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
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
9. Alternative Hypothesis is also called as?
   a) Composite hypothesis
   b) Research Hypothesis ✓
   c) Simple Hypothesis
   d) Null 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