

## 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. Chi-square 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) **Chi-squared distribution**
  - c) Gamma distribution
  - d) Poisson 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) Test Statistic
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