

**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.

**Ans.: d) Expected**

2. Chi-square is used to analyse

**Ans.: c) Frequencies**

3. What is the mean of a Chi Square distribution with 6 degrees of freedom?

**Ans.: c) 6**

4. Which of these distributions is used for a goodness of fit testing?

**Ans.: b) Chi-squared distribution**

5. Which of the following distributions is Continuous

**Ans.: c) F Distribution**

6. A statement made about a population for testing purpose is called?

**Ans.: b) Hypothesis**

7. If the assumed hypothesis is tested for rejection considering it to be true is called?

**Ans.: a) Null Hypothesis**

8. If the Critical region is evenly distributed then the test is referred as?

**Ans.: d) Zero tailed**

9. Alternative Hypothesis is also called as?

**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

**Ans.: a) np**