STATISTICS WORKSHEET 5
Batch DS2402

1. **Using a goodness of fit,we can assess whether a set of obtained frequencies differ from a set of frequencies.**
   - ☐ Mean
   - ☐ Actual
   - ☐ Predicted
   - ☑ **Expected**

2. **Chi Square is used to analyze**
   - ☐ Score
   - ☐ Rank
   - ☑ **Frequencies**
   - ☐ All of these

3. **What is the mean of a Chi Square distribution with 6 degrees of freedom?**
   - ☐ 4
   - ☐ 12
   - ☑ **6**
   - ☐ 8

4. **Which of these distributions is used for a goodness of fit testing?**
   - ☐ Normal distribution
   - ☑ **Chisqared distribution**
   - ☐ Gamma distribution
   - ☐ Poission distribution

5. **Which of the following distributions is Continuous**
   - ☐ Binomial Distribution
   - ☐ Hypergeometric Distribution
   - ☑ **F Distribution**
   - ☐ Poisson Distribution

6. **A statement made about a population for testing purpose is called?**
   - ☐ Statistic
   - ☑ **Hypothesis**
   - ☐ Level of Significance
   - ☐ TestStatistic

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

- ☑ **Null Hypothesis**
- ☐ Statistical Hypothesis
- ☐ Simple Hypothesis
- ☐ Composite Hypothesis

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

- ☑ **Two tailed**
- ☐ One tailed
- ☐ Three tailed
- ☐ Zero tailed

9. Alternative Hypothesis is also called as?

- ☐ Composite hypothesis
- ☑ **Research Hypothesis**
- ☐ Simple Hypothesis
- ☐ 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

- ☑ **np**
- ☐ n