

## 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