

## STATISTICS WORKSHEET-5

**Q1 to Q15 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) Chisquared 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