

## STATISTICS WORKSHEET-5

Vikas Pratap Singh (Internship 10)

Marked Answers in **Bold**

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