

# **STATISTICS WORKSHEET-5**

## **ANSWERS**

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

**ANS:- d) Expected**

2. Chisquare is used to analyse

- a) Score      b) Rank      c) Frequencies      d) All of these

**ANS:- c) Frequencies**

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

- a) 4      b) 12      c) 6      d) 8

**ANS:- c) 6**

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

**ANS:- b) Chi squared distribution**

5. Which of the following distributions is Continuous?

- a) Binomial Distribution      b) Hypergeometric Distribution  
c) F Distribution      d) Poisson Distribution

**ANS:- c) F Distribution**

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

- a) Statistic      b) Hypothesis      c) Level of Significance      d) Test Statistic

**ANS:- b) Hypothesis**

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

**ANS:- a) Null 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

**ANS:- a) Two tailed**

9. Alternative Hypothesis is also called as?

- a) Composite hypothesis      b) Research Hypothesis  
c) Simple Hypothesis      d) Null Hypothesis

**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\_\_\_\_\_

- a) np  
b) n

**ANS:- a) np**