

## **WORKSHEET 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

**Answer- d) Expected**

2. Chi-square is used to analyse

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

**Answer- 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

**Answer- 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

**Answer- b) Chi-squared distribution**

5. Which of the following distributions is Continuous

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

**Answer- 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

**Answer- 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

**Answer- 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

**Answer- a) Two tailed**

9. Alternative Hypothesis is also called as?

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

**Answer- 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

**Answer- a) np**