

**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

ANS = d) Expected

**2. Chi square is used to analyses**

- 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) Chisquared distribution
- c) Gamma distribution
- d) Poisson distribution

ANS = b) Chisquared distribution

**5. Which of the following distributions is Continuous**

- a) Binomial Distribution
- b) Hyper geometric Distribution
- c) F Distribution
- d) Poisson Distribution

ANS = a) Binomial 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 WORKSHEET

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

