

# 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

**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) Chisquared distribution
  - c) Gamma distribution
  - d) Poission distribution

**Ans: b) Chisquared 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) TestStatistic

**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**