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## **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
  - b) 6
  - c) 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) Poission 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) 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**