

## **STATISTICS WORKSHEET**

### **MCQs.**

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: Option d) Expected**

2. Chi-square is used to analyze
- a) Score
  - b) Rank
  - c) Frequencies
  - d) All of these

**Answer: Option 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: Option 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: Option 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: Option 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: Option 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: Option a) Null Hypothesis**

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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: Option a) Two Tailed**

9. Alternative Hypothesis is also called as?
- a) Composite hypothesis
  - b) Research Hypothesis
  - c) Simple Hypothesis
  - d) Null Hypothesis

**Answer: Option 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: Option a) np**

