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.

* 1. Mean
  2. Actual
  3. Predicted
  4. Expected

Ans:- Expected

2. Chi square is used to analysis

a) Score

b) Rank

1. Frequencies
2. All of these

Ans:- 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:- 12

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

Ans:- Chi squared distribution

5.Which of the following distributions is Continuous

a) Binomial Distribution

b) Hypergeometric Distribution

c) F Distribution

d) Poisson Distribution

Ans:- None of these

6. A statement made about a population for testing purpose is called?

a) Statistic

b) Hypothesis

c) Level of Significance

d) Test Statistic

Ans:- 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:- 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:- Two tailed

9.Alternative Hypothesis is also called as?

a) Composite hypothesis

b) Research Hypothesis

c) Simple Hypothesis

d) Null Hypothesis

Ans:- 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

* 1. np
  2. n

Ans:- np