Name of the Assignment: Statistics (Worksheet – 5)

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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. 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) 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) 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

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) x

Ans: a) np

***************************The End***