WORKSHEET - 5 STATISTICS

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

Answer – d) Expected

2. Chisquare is used to analyse
   a) Score
   b) Rank
   c) Frequencies
   d) All of these

Answer – 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 – c) 6

4. Which of these distributions is used for a goodness of fit testing?

   a) Normal distribution

   b) Chisqared distribution

   c) Gamma distribution

   d) Poission distribution

Answer – b) Chisqared distribution

5. Which of the following distributions is Continuous

   a) Binomial Distribution

   b) Hypergeometric Distribution

   c) F Distribution

   d) Poisson Distribution

Answer – 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

Answer – 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 – 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

Answer – a) Two Tailed

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

Answer – 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 – a) np