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