

STATISTICS WORK SHEET SET 05

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) Chisquared distribution**
c) Gamma distribution d) Poission distribution

Answer: b) Chisquared 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