

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. 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

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