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

## Option d. Expected

## (A goodness of fit test assesses whether the obtained frequencies differ from the expected frequencies.)

2. Chisquare is used to analyse

a) Score

b) Rank

c) Frequencies

d) All of these

## option 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

## option C .6
## (The mean of a Chi-square distribution is equal to the degrees of freedom, which is 6 in this case.)

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

## option B. Chi-squared distribution
## (The Chi-square distribution is used for goodness of fit testing.)

5. Which of the following distributions is Continuous

a) Binomial Distribution

b) Hypergeometric Distribution

c) F Distribution

d) Poisson Distribution

**Option C. F Distribution**
**(The F-distribution is a continuous probability distribution.)**

6. A statement made about a population for testing purpose is called?

a) Statistic

b) Hypothesis

c) Level of Significance

d) TestStatistic

**Option 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

**Option A. Null Hypothesis**
**(The null hypothesis is tested for rejection, assuming it to be true.)**

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

**Option A. Two tailed**
**(If the critical region is evenly distributed on both ends of the distribution, it is a two-tailed test.)**

9. Alternative Hypothesis is also called as?

a) Composite hypothesis

b) Research Hypothesis

c) Simple Hypothesis

d) Null Hypothesis

## Option B. Research hypothesis.
## (An alternative hypothesis is also referred to as a 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

## Option A. np

## The mean value of a Binomial distribution, where nnn is the number of trials and ppp is the probability of success, is given by: np