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

Ans: Expected

2. Chisquare is used to analyse

a) Score

b) Rank

c) Frequencies

d) All of these

Ans: The  Chi-square test is used to establish whether the expected and observed frequencies differ significantly, in one, or more than one category of a contingency table.

Thus, the correct answer will be 'Frequencies'

3. What is the mean of a Chi Square distribution with 6 degrees of freedom?

a) 4

b) 12

c) 6

d) 8

Ans: By the property of Chi Square distribution, the mean corresponds to the number of degrees of freedom. Degrees of freedom = 6.

Option c) 6

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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

Ans;  b) Chisqared

5. Which of the following distributions is Continuous

a) Binomial Distribution

b) Hypergeometric Distribution

c) F Distribution

d) Poisson Distribution

Ans: 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

Ans: 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

Ans: 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

Ans: Two tailed

9. Alternative Hypothesis is also called as?

a) Composite hypothesis

b) Research Hypothesis

c) Simple Hypothesis

d) Null Hypothesis

Ans: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

Ans: np