

## STATISTICS WORKSHEET 5

**Q1 to Q10 are MCQs with only one correct answer. Choose the correct option.**

Q.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. d) Expected**

Q. 2. Chisquare is used to analyse

- a) Score      b) Rank                      c) Frequencies                      d) All of these

**ANS. c) Frequencies**

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

- a) 4              b) 12                      c) 6                      d) 8

**ANS. C)6**

Q.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

**ANS. b) Chi squared distribution**

Q.5. Which of the following distributions is Continuous

- a) Binomial Distribution                                      b) Hypergeometric Distribution  
c) F Distribution                                      d) Poisson Distribution

**ANS. c) F Distribution**

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

- a) Statistic              b) Hypothesis                      c) Level of Significance                      d) TestStatistic

**ANS. b) Hypothesis**

Q.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. a) Null Hypothesis**

Q.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. a ) Two tailed**

Q.9. Alternative Hypothesis is also called as?

- a) Composite hypothesis                      b) Research Hypothesis  
c) Simple Hypothesis                      d) Null Hypothesis

**ANS. b) Research Hypothesis**

Q.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. a) np**