

**STATISTICS WORKSHEET-5**

**Internship: Michelle Khanna | Date:20<sup>th</sup> July | MCQ | Deadline of Submission: 22<sup>nd</sup> July 2024**

**Note: Answers of each question in Green Highlight**

**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**
2. Chisquare is used to analyse
  - a) Score
  - b) Rank
  - c) Frequencies**
  - d) All of these
3. What is the mean of a Chi Square distribution with 6 degrees of freedom?
  - a) 4
  - b) 12
  - c) 6**
  - d) 8
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
5. Which of the following distributions is Continuous
  - a) Binomial Distribution
  - b) Hypergeometric Distribution
  - c) F Distribution**
  - d) Poisson Distribution
6. A statement made about a population for testing purpose is called?
  - a) Statistic
  - b) Hypothesis**
  - c) Level of Significance

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
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
9. Alternative Hypothesis is also called as?  
a) Composite hypothesis  
**b) Research Hypothesis**  
c) Simple Hypothesis
10. Null HypothesisIn 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