**STATISTICS – WORKSHEET 3**

1. Using a goodness of fit, we can assess whether a set of obtained frequencies differ from a set of \_\_\_\_\_ frequencies.

Answer: D) Expected

2. Chi-square is used to analyse:

Answer: C) Frequencies

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

Answer: B) 12

4. Which of these distributions is used for a testing hypothesis?

Answer: A) Normal distribution B) Chi - squared distribution

5. Which of the following distributions is Continuous?

Answer: C) F-Distribution

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

Answer: B) Hypothesis

7. If the assumed hypothesis is tested for rejection considering it to be true is called?

Answer: A) Null Hypothesis

8. If the Critical region is evenly distributed, then the test is referred as?

Answer: A) Two tailed

9. Alternative Hypothesis is also called as?

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 \_\_\_\_\_\_\_\_\_\_\_

Answer: A) np

11. Binomial Distribution is a \_\_\_\_\_\_\_\_\_\_\_

Answer: B) Discrete distribution

12. If ‘p’, ‘q’ and ‘n’ are probability pf success, failure and number of trials respectively in a Binomial Distribution, what is its Standard Deviation?

Answer: D) √npq----

13. A Null Hypothesis has Level of Significance 9%. For what values of Level of Significances it will be rejected?

Answer: C) 0.099

14. The range of Level of Significance lies between \_\_\_\_\_\_\_\_\_\_\_\_.

Answer: D) 0 and 1

15. The effect of rejection of a hypothesis with decrease in sample size \_\_\_\_\_\_\_\_\_\_\_\_.

Answer: B) increases