Name: 

ID: 

1. Please write a research question and hypothesis of your research?

2. Independent variables means what the research measures. (Ture/False)

3. What is the difference between null hypothesis and alternative hypothesis?

4. Write down the steps of hypothesis test.

5. A two-tailed test is one where results in one direction can lead to rejection of the null hypothesis. (Ture/False)

6. Alpha (α) measures the Type II error. (Ture/False)

7. What does level of significance means?
8. Explain confidence interval (CI) with graph.

9. One-way ANOVA stands for Analysis of Variance. (True/False)

10. Consider the observations recorded in TKM 6 (rice variety) in the character, number of panicles/plant in a sample of ten plants. Observations are 6,6,7,6,7,6,6,6,6,7. The population mean is 6. Test the null hypothesis: $H_0: \mu = 6$, at 5 percent level of significance or test whether the sample mean was taken from the population whose mean is 6. $H_0: \mu = 6$; $H_A \neq 6$. 