**BUS 324**

**Test 2**

**Study Guide**

**as of 10/24/22**

**Detail of the types of problems will be on this test:**

1. Construct a confidence interval estimate of the mean for: a large sample when the 𝞼 is known.
2. Calculate: a) standard error, b) margin of error for a large sample when 𝞼 is known.
3. Calculate the sample size for proportions when pbar is not given.
4. Calculate the confidence interval for a small sample when the sample statistics are known and the sigma is unknown.
5. Calculate a sample size for a large sample when e,sigma and alpha are known
6. Hypothesis testing for: a large sample, one-tailed, s is given,$\overbar{x}$ is given.
7. Hypothesis testing for: a large sample, one-tailed, 𝞼 is given,$ \overbar{x}$ is given.
8. Hypothesis testing for: a large sample, two-tailed, 𝞼 is given,$ \overbar{x}$ is given.
9. Hypothesis testing for: a small sample, one-tailed, s is given,$ \overbar{x}$ is given.

10.Hypothesis testing for: a small sample, two-tailed, $\overbar{x}$ and s are known.