**BUS 305**

**Test 1 Answer Sheet**

**3/2/23**

Your Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Problem 1.** a) UCLc =\_\_\_\_\_\_\_\_\_\_\_ , LCLc = \_\_\_\_\_\_\_\_\_\_\_

b) UCLp =\_\_\_\_\_\_\_\_\_\_\_ , LCLp = \_\_\_\_\_\_\_\_\_\_\_

**Problem 2.** a) UCL = LCL =

b) UCL =LCL =

**Problem 3:** Availability =**\_\_\_\_\_\_\_\_\_\_**

**Problem 4:** MTBF =**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Problem 5.** Probability =**\_\_\_\_\_\_\_\_\_\_**

**Problem 6.** Reliability =**\_\_\_\_\_\_\_\_\_\_\_**

**Problem 7 Circle one:**

Single Channel Enter $\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Two Channel Enter $\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Problem 8 a) Circle one:** 1 2 3

b) Reliability of the winning vendor:\_\_\_\_\_\_\_\_\_\_\_\_\_

**Problem 9** Probability =**\_\_\_\_\_\_\_**

**Problem 10**

a) Utilization rate=\_\_\_\_\_\_\_\_\_\_%

b) Idle time=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_min.

c)) Wait time=\_\_\_\_\_\_\_\_\_\_\_\_\_\_min.