CS341 Machine Project 4

Grading Rubric

Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Points out of Total

1. LPT1 Diagnostic \_\_\_\_\_\_\_\_\_\_/15

Saves and restores the required hardware registers \_\_\_\_\_\_\_\_/ 5

Initializes the state of the hardware being tested \_\_\_\_\_\_\_\_/ 5

Correctly verifies the behavior when LP\_PDIR is set \_\_\_\_\_\_\_\_/ 5

2. COM1 Diagnostic \_\_\_\_\_\_\_\_\_\_/25

Saves and restores the required hardware registers \_\_\_\_\_\_\_\_/ 5

Initializes the state of the hardware being tested \_\_\_\_\_\_\_\_/ 5

Verifies the MCR/MSR control signal loopbacks \_\_\_\_\_\_\_\_/ 5

Verifies the data loopback via writing / reading a char \_\_\_\_\_\_\_\_/ 5

Uses tickpack “one shot” timer to prevent infinite loop \_\_\_\_\_\_\_\_/ 5

(One point off for not declaring shared variable “volatile”.)

Total Score \_\_\_\_\_\_\_\_\_\_/40

Grader Comments: