CSCI 2150 Laboratory Worksheet
Hard Drive Performance Lab

Name: _____

Date: _____

Use this worksheet to fill out the details that you recorded after examining your hard drive using hdparm and smartmontools.

Section (check one): ☐ – 001 (daytime section)
                      ☐ – 201 (evening section)

Do not use your virtual drive! A simulated drive will not return useful data!

Hard Drive Information:

Hard drive model number: _____

Hard drive serial number: _____

Number of logical cylinders: _____

Number of logical heads: _____

Number of logical sectors/track: _____

Device size using a megabyte = 1024 * 1024: _____

Is the drive S.M.A.R.T. enabled? ◯ - Yes   ◯ - No

What does the hdparm switch –g do? _____

Hard Drive Performance:

Buffered disk reads (best of 3): _____ MB in _____ seconds = _____ MB/sec

Cache reads (best of 3): _____ MB in _____ seconds = _____ MB/sec

Hard Drive Health:

SMART overall-health self-assessment test result: ◯ - PASSED   ◯ - FAILED

Spin Up Time: Value (from 0 to 255) : _____

                       Type: ◯ - Pre-fail   ◯ - Old_age

                       Raw value: _____

Start Stop Count: Value (from 0 to 255) : _____

                       Type: ◯ - Pre-fail   ◯ - Old_age

                       Raw value: _____

Power On Hours: Value (from 0 to 255) : _____

                       Type: ◯ - Pre-fail   ◯ - Old_age

                       Raw value: _____

Temperature Celsius: Value (from 0 to 255) : _____

                       Type: ◯ - Pre-fail   ◯ - Old_age

                       Raw value: _____