**CIS 481 – Intro to Information Security**

**CLASS EXERCISE # 10**

Grading ID:

**Problem 1**

Name and describe the four basic conversion strategies discussed in the text that may be used when converting to a new system. Under which circumstances would each be considered the right approach? (10 pts.)

Direct changeover**-** the conversion strategy that involves stopping the old system and starting the new one without any overlap.

Direct changeover would be the right approach when you require employees to begin using a new password with a stronger degree of authentication on an announced date.

Parallel operations- the conversion strategy that involves running the new system concurrently with the old system.

Parallel would be the right approach if you run a new firewall so you would have the old firewall to reinforce the new one in case it fails.

Phased implementation- the conversion strategy that involves a measured rollout of the planned system, only part of the system is brought out and disseminated across an organization before the next piece is implemented. Under a circumstance of introducing a VPN by department and making improvements as issues arise.

Pilot implementation- the conversion strategy that involves implementing the entire system into a single office, department, or division, and dealing with issues that arise before expanding to the rest of the organization.

Pilot would be best if you have an isolated group to work as the “guinea pig”.

**Problem 2**

Complete Exercise 1 from p. 576 of the text. Model your WBS on Table 10-1 from p. 541 of the text. Assume that work on the project may begin as early as next Monday. (15 pts.)



-Sequential Label and Supply has a problem with employees surfing the web to access material the company deems inappropriate for a professional environment.

-SLS wants to insert a filtering device in the company internet connection that blocks certain Web locations and content

-The filter is a hardware appliance that costs 18000 and requires 150 hours to install and configure.

-Technical support for the filter costs 18% of the purchase price and includes a training allowance for the year.

-A software component that runs on the admin’s desktop is needed to apply filter. It costs 550.

-A monthly subscription provides the list of sites to be blackedlisted and costs 250 per month.

-an estimated 4 hours per week are required for administrative functions.