**PART 1.** Answer the following question/statements by providing a short explanation (1 to 2 sentences). Each answer is worth five (5) points.

1. Is an operating system a hardware or software?

An operating system is a software that manages computer hardware, software resources, and provides common services for computer programs.

1. In simplest terms possible, define what process scheduling is.

It is the function of a process manager that decides which process runs at a certain point in time.

1. Differentiate between process manager and memory manager.

A process manager manages processes in the system and decides how to allocate the CPU and keep track of the status of every process. While a memory manager manages memory in the system and is in charge of main memory and checks the validity of each request for memory space and allocates a portion of memory that is not already in use.