Assignment 1

Due Date: Sunday, 20 February, 2022

Points: 10   CLO 1.1 K1

Student ID: _____

The following homework assignment is designed to encourage you to review the topics that we have been taking in the class. I expect that you do **not** copy your answers directly from the book or from each other. Doing so will result in zero credit for the assignment.

Write down the answers to the questions and then convert the document in PDF file and upload in the blackboard.
Failure to follow directions will result in loss of points.

Please write clearly … Good Luck …

1. What is the definition of an operating system from a managerial point of view? CLO 1.1 K1

Operation system basically works as mediator between the computer hardware and variable applications to do a resource locater and at the same time program controller which bocks any error

2. What is the purpose of system calls? CLO 1.1 K1

It changes the mode into kernel mode to make cpu wait for the I/O Until complete
And change it back into user mode if it completed

3. In chapter 2, the topic of user mode and kernel mode was discussed. How can this dual mode provide protection to the system? CLO 1.1 K1

First we need to know that protection means any mechanism that controls user access of resources and that's what dual mode provides it has som operating can't be executed unless it kernel mode That's how.

4. How does a computer startup? CLO 1.1 K1

Once the power on the bootstrap loading from ROM then it load kernel itself to start executing

5. What are the methods used to pass parameters to the OS with a system call? CLO 1.1 K1

There 3 methods are:
1. Pass the parameters in registers
2. Store the parameters in a block
3. Push the parameters onto a stack