**Operating System**

**UNIT I - Assignment**

**Part A:**

1. \_\_\_\_\_\_\_\_\_\_\_\_ acts as an interface between the user of a computer and Hardware Components.
2. \_\_\_\_\_\_\_\_\_\_\_\_\_ act as an interface between the application program and OS.
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Involves designing of hardware to avoid the CPU perform the transfer of information between the device.
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a software program that controls a particular type of device attached to the computer.
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ I/O has Common Control signal for both Memory and I/O Devices

**Part B:**

1. List the Goals of Operating System
2. Difference between Process and Thread
3. Difference between User Level Thread and Kernel Level Thread
4. Define System Call
5. Distinguish I/O with Polling and Interrupt Driven I/O

**Part C:**

1. Explain in detail the software components of Operating System