**Assignment 1 (20 Marks)**

Q1. What is Multiprogramming and Multitasking, Differentiate and explain with examples? (10)

Q2. How does the distinction between kernel mode and user mode function as a rudimentary form of protection (security) system? (5)

Q3. Which of the following instructions should be privileged? (5)

a. Set value of timer.

b. Read the clock.

c. Clear memory.

d. Issue a trap instruction.

e. Turn off interrupts.

f. Modify entries in device-status table.

g. Switch from user to kernel mode.

h. Access I/O device.?