

**Operating System**

**Important 10mark questions**

**Unit I**

1. Explain any two operating system components.
2. Explain the concepts of virtual machine and booting.

**Unit II**

1. Explain the process states and their transitions.
2. Explain FCFS and Round Robin scheduling algorithms.

**Unit III**

1. With neat diagram explain the hardware support for paging.
2. Explain the following page replacement policies: (I) FIFO (II) NRU

**Unit IV**

1. Explain any one disk scheduling algorithm.
2. What is authentication? Explain any four authentication methods.

**Unit V**

1. Explain the architecture of Linux.
2. Explain three levels of file security in Linux.