

Operating System and System Administration



Tutorial 01 Year 02 Semester 01

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- 1) Compare and contrast the GUI and CLI based operating system.
 - 2) What are the three main purposes of an Operating System?
 - 3) What is multiprogramming? What is the main advantage of multiprogramming?
 - 4) What is time-sharing? What is the main advantage of time-shared system?
 - 5) Briefly explain dual mode operation and how does it provide the protection to the system.
 - 6) Compare and contrast system call and system program.
 - 7) Briefly explain the protection mechanism for each.

Protection Area	Protection mechanism
I/O Protection	
Memory Protection	
CPU protection	

- 9)
- 10) Which of the following instructions should be privileged?
 - a) Set value of timer
 - b) Read the clock
 - c) Clear memory
 - d) Turn-off interrupts
 - e) Modifying base and limit registers