

28 Lecture - CS501

Important Mcqs

1. Which of the following is an example of a hardware interrupt?

- a) System call
- b) Division by zero
- c) Keyboard press
- d) Memory access violation

Answer: c) Keyboard press

Which of the following is an example of a software interrupt?

- a) Disk read error
- b) Mouse click
- c) System call
- d) Power outage

Answer: c) System call

Which type of interrupt is triggered by a device?

- a) Hardware interrupt
- b) Software interrupt
- c) Both
- d) None

Answer: a) Hardware interrupt

Which type of interrupt is triggered by a program instruction?

- a) Hardware interrupt
- b) Software interrupt
- c) Both
- d) None

Answer: b) Software interrupt

Which of the following is an example of a hardware interrupt controller?

- a) BIOS
- b) DMA controller
- c) CPU
- d) Memory

Answer: b) DMA controller

Which of the following is an example of a software interrupt handler?

- a) Device driver
- b) Interrupt service routine (ISR)
- c) Interrupt vector table
- d) Interrupt request (IRQ)

Answer: b) Interrupt service routine (ISR)

Which type of interrupt has higher priority?

- a) Hardware interrupt

- b) Software interrupt
- c) Both have equal priority
- d) It depends on the system design

Answer: a) Hardware interrupt

Which of the following is responsible for managing the interrupt requests in a system?

- a) Interrupt service routine
- b) Interrupt handler
- c) Interrupt controller
- d) Interrupt vector table

Answer: c) Interrupt controller

Which type of interrupt can be masked or disabled?

- a) Hardware interrupt
- b) Software interrupt
- c) Both
- d) None

Answer: a) Hardware interrupt

Which type of interrupt can be triggered by a user-level program?

- a) Hardware interrupt
- b) Software interrupt
- c) Both
- d) None

Answer: b) Software interrupt