

# Quiz 1

- What is **not** true about a device driver:
  - a) It typically runs in privileged mode
  - b) You have them for character or block devices.
  - c) They run only when the system is booted.
  - d) In UNIX there is a uniform access interface for device drivers.

# Quiz 2

- ioctl in the Linux system is :
  - a) A general purpose function used only for sending data to the device.
  - b) A program of the operating system to mount/unmount I/O device on the system.
  - c) A system call for issuing operations to any device.
  - d) A I/O control process of the kernel.

# Quiz 3

- What is not a use of a buffer?
  - a) For adapting the speed mismatch between a producer and a consumer
  - b) For merging data targeting the same destination
  - c) For transferring data between devices with different transfer unit sizes
  - d) For data consistency

# Quiz 4

- Which of the following may hold the only existing copy of a data item.
  - a) only a cache
  - b) only a buffer
  - c) either a cache or a buffer
  - d) neither a cache or a buffer

# Quiz 5

- A spool is a buffer that can accept interleaved data streams from various devices
- a) True
- b) False

# Quiz 6

- Choose the affirmation which is incorrect.
  - a) All I/O instructions defined to be privileged
  - b) I/O must be performed via system calls
  - c) Memory-mapped and I/O port memory locations must be protected
  - d) I/O can be performed only at user level

# Quiz 7

- The I/O performance cannot be improved by:
  - a) Reducing the number of context switches
  - b) Reducing the data copying
  - c) Using large transfers
  - d) Increasing the number of interrupts
  - e) Using DMA