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Question **41**

Answer saved

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Determine the number of page faults when references to pages occur in the following order : 1, 2, 4, 5, 2, 1, 2, 4. Assume that the main memory can accommodate 3 pages and the main memory already has the pages 1 and 2, with page 1 having been brought earlier than page 2. (LRU algorithm is used)

- ☒ a. 4
- ☐ b. 3
- ☐ c. 5
- ☐ d. 2

[Clear my choice](#)

Question **42**

Answer saved

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If one or more devices use a common set of wires to communicate with the computer system, the connection is called ____

- ☐ a. Monitor
- ☒ b. Bus
- ☐ c. Wirefull
- ☐ d. CPU

[Clear my choice](#)

Question **43**

Answer saved

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The heads of the magnetic disk are attached to a ____ that moves all the heads as a unit.

- ☐ a. track
- ☐ b. spindle
- ☐ c. cylinder
- ☒ d. disk arm

[Clear my choice](#)Question **44**

Answer saved

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Spooling:

- ☐ a. holds a copy of the data
- ☐ b. holds output for a device
- ☐ c. is fast memory
- ☒ d. holds the only copy of the data

[Clear my choice](#)Question **45**

Not yet answered

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When the power is turned on, the BIOS runs initially and then reads in the Master Boot Record and jumps to it. This boot program then checks to see which partition is active. How do boot program know which partition active?

- ☐ a. Partiton active must be marked as active in the boot sector.
- ☐ b. Partiton active must be marked as active in the partition table.
- ☐ c. Partiton active must be marked as active in the bootstrap loader.
- ☐ d. Partiton active must be marked as active in the boot block.

Question **46**

Not yet answered

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A disk queue with requests for I/O blocks on cylinders in orders: 10, 22, 20, 2, 40, 6, 38. Assume that the disk head is initially at cylinder 9. Which the ordering cylinder in progress do using a slight modification of SSF (Shortest Seek First) algorithm?

- ☐ a. 9, 10, 20, 22, 38, 40, 6, 2
- ☐ b. 9, 10, 6, 2, 20, 22, 38, 40
- ☐ c. 9, 6, 10, 2, 20, 22, 38, 40
- ☐ d. 9, 6, 2, 10, 20, 22, 38, 40

Question **47**

Answer saved

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. Using the SCAN (a.k.a. elevator) disk scheduling algorithm, determine how far the disk head moves servicing the following outstanding requests: 150, 19, 20, 900, 99. Assume the disk's head is currently over track 100 and moving toward smaller track numbers. Also, assume that all of these track requests have already been received.

- ☐ a. 1064 tracks
- ☒ b. 962 tracks
- ☐ c. 1681 tracks
- ☐ d. 1863 tracks

[Clear my choice](#)Question **48**

Answer saved

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A process said to be in _____ state if it was waiting for an event that will never occur.

- ☐ a. Starvation
- ☒ b. Deadlock
- ☐ c. Safe
- ☐ d. Unsafe

[Clear my choice](#)

Question **49**

Answer saved

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Physical memory is broken into fixed-sized blocks called ____

- ☐ a. backing store
- ☐ b. pages
- ☐ c. segments
- ☒ d. frames

[Clear my choice](#)Question **50**

Answer saved

Marked out of 1.00

What is compaction?

- ☐ a. a technique for overcoming fatal error
- ☒ b. a technique for overcoming external fragmentation
- ☐ c. a paging technique
- ☐ d. a technique for overcoming internal fragmentation

[Clear my choice](#)[◀ Works](#)

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