My Courses / CSC0	41502-F21R-5046 / <u>Unit 6 - File System</u> / <u>Quiz - Unit 6 Part 1 (Chapters 11, 13) - File System Part 1</u>
Started on	Thursday, September 30, 2021, 8:32 PM
State	Finished
Completed on	Thursday, September 30, 2021, 8:58 PM
	25 mins 36 secs
Grade	23.00 out of 26.00 (88 %)
Question 1	
Complete	
0.00 points out of 1.00	
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which of the follow	ng statement about device formatting is FALSE?
Select one:	
a. Not every	partition contains a copy of the operating systems.
	nufacturers store the initial file-system data structures in the device.
	system can create multiple partitions with in a single device.
	eation is implicit when a file system is placed directly within a partition.
	The state of the s
Question 2	
Complete	
1.00 points out of 1.00	
An advantage of S	SDs over HDDs is
ŭ	
Select one:	
a. SSDs are	nore reliable than HDDs.
b. SSDs are	aster than HDDs.
o. SSDs are	cheaper per megabyte than HDDs.
d. SSD have	more write capability than HDD's
9	
Question 3 Complete	
1.00 points out of 1.00	
1.00 points out of 1.00	
Difference between	sector sparing and sector slipping is
Calantaria	
Select one:	
	ring can help recover from hard errors while sector slipping cannot.
	oing can help recover from hard errors while sector sparing cannot.
	ring results in copying of a single sector while sector slipping may result in copying of multiple sectors.
d. sector spa	ring uses spare sectors while sector slipping does not.

Question 4 Complete				
1.00 points out of 1.00				
Which of the following statements regarding solid state disks (SSDs) is false?				
Select one:				
a. They have no seek time or latency.				
b. They are generally more expensive per megabyte than traditional hard disks.				
o. They have the same characteristics as magnetic hard disks, but can be more reliable.				
d. They generally consume more power than traditional hard disks.				
Question 5				
Complete				
1.00 points out of 1.00				
The SCAN scheduling algorithm				
Select one:				
 a. services the request with the minimum seek time 				
b. services the request next to the current head position in the direction of the head movement				
oc. services the request next to the current head position in the opposite direction of the head movement				
 d. chooses to service the request furthest from the current head position 				
Question 6				
Complete				
Complete				
Complete 1.00 points out of 1.00				
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Disk controllers do not usually have a built-in cache.

Select one:

- a. True
- b. False

Question 10

Complete

0.00 points out of 1.00

The current directory is

Select one:

- $\ \bigcirc$ a. may be included in the search path
- b. always included in the search path
- oc. none of the other answers
- d. represented by the symbol ".."

Question 11

Complete

1.00 points out of 1.00

The garbage collection is necessary _____

Select one:

- a. in acyclic-graph directory structure only
- b. in general graph directory structure only
- o. in tree-based directory structure only
- od. in each implementation of the directory structure

Question 12

Complete
1.00 points out of 1.00
UNIX systems consider each file to be a sequence of
,
Select one:
a. 16 bit words
b. 32 bit words
d. bit words, which length is defined by the users
Question 13
Complete
1.00 points out of 1.00
The file protection can be provided by:
Select one:
a. knowledge of the existence and name of a file
b. all of the other answers
c. access-control list
○ d. password
Question 14
Complete
1.00 points out of 1.00
Manipulating files through memory rather than using the read() and write() system calls
Select one:
 a. complicates, but retards file access and usage
b. is not recommended for single-processor operating systems
c. simplifies and speeds up file access and usage
d. simplifies, but retards file access and usage
a. cp.m.cc, sat retained ind decease and deage
4E
Question 15
Complete 1.00 points out of 1.00
1.00 points out of 1.00

moving the file pointer to a specified position best describes the action of seek.

Question 16
Complete
1.00 points out of 1.00
File's is a unique tag identifies the file within the file system.
Select one:
○ a. name
○ b. type
o c. location
Question 17
Complete
0.00 points out of 1.00
Is an extension a part of a file name?
is all extension a part of a life name.
Select one:
⊚ a. False
○ b. True
Question 18
Question 18 Complete
Complete
Complete
Complete 1.00 points out of 1.00 Reading and writing a file operations use the same current-file-position pointer.
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Question 20 Complete
1.00 points out of 1.00
In two-level directory structure, the system's master file directory (MFD) is searched when a user logs in.
Select one:
○ a. False
Question 21
Complete
1.00 points out of 1.00
FCFS scheduling is generally used in NVMs, because
Select one:
it provides much higher raw throughput compared to HDDs.
b. the write performance depends on how "worn" the media is.
© c. NVMs do not contain moving disk heads.
 d. write service time is not uniform in NVMs.
white service time is not uniform in reviews.
Question 22
Complete 4.00 prints put of 4.00
1.00 points out of 1.00
Low-level formatting
Select one:
a. does not usually provide an error-correcting code
b. is different from physical formatting
C. is usually performed by the purchaser of the disk device
is assain performed by the parchaser of the disk device
d. divides a disk into partians that the disk controller can read and write.
 d. divides a disk into sections that the disk controller can read and write

Question 23
Complete
1.00 points out of 1.00
Host-attached storage is
Select one:
a. accessed via local I/O ports
b. a special purpose storage system that is accessed remotely over a data network
C. not suitable for hard disks
oc. not suitable for hard disks
od. not suitable for use in raid arrays
Question 24
Complete
1.00 points out of 1.00
Indexed sequential-access method allows to locate any record with no more than two direct-access reads:
Select one:
True
○ False
○ False
Question 25
Complete
1.00 points out of 1.00
The directory structure is creation of the file system design and not prescribed.
Select one:
True
○ False

/30/21, 8:58 PM	Quiz - Unit 6 Part 1 (Chapters 11, 13) - File System Part 1: Attempt review	
Question 26		
Complete		
1.00 points out of 1.00		
Sharing of memory-mapped section	s of memory among multiple processes can be efficiently realized without the usage of virtual memory:	
Select one:		
○ True		
False		
◆ CSC415 - Chapter 13.05 - File 5	System Interface - Memory Mapped Files (not on slides or video)	

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Special Video - Magic Numbers (6:17) ►



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