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# 2023\_1-Operating System-Monday\_Class-Quizz 4+5

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\* Required

1

Student Name \* 

Đặng Mạnh Cường


2

Student ID \* 

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3

Using FAT, random access times will be \*  (1 Point)

- 
- ☒ Reduced
  - ☐ Kept stable
  - ☐ Increased

☐ Unaffected

4

An element in the root directory has the following value. What are the properties of the file? \*  (1 Point)

```
46 4f 4f 42 41 52 20 20 54 58 54 21 00  
05 39 65 39 00 00 91 9e 65 39 c6 10 1a
```


☒ archive and read-only

☐ system and read-only

☐ directory and read-only

☐ Hidden

5

Which memory allocation method encounters memory fragmentation? \*  (1 Point)

☒ Continuous

☐ Linking

☐ Indexing

☐ All the allocation methods have memory fragmentation

☐ No correct answer


6

In FAT systems, clusters within a partition are numbered starting from \*

 (1 Point)

- ☐ 0
- ☐ 1
- ☒ 2
- ☐ Unknown

7

In the root directory, if an element has an attribute of 0F and the first byte has a value of 0x43, it means this is \*  (1 Point)

- ☒ Long filename element
- ☐ The element belongs to the deleted file
- ☐ Directory management element
- ☐ The element is damaged


8

What happens in a one-level directory? \*  (1 Point)

- ☐ All directory must have unique names
- ☒ All files must have unique names
- ☐ All files must have a unique owner

☐ all the things mentioned

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Consider a disk with blocks 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 17, 18, 25, 26 and 27 free and the remaining blocks allocated. Thus, the free space bitmap will be \*  (1 Point)

☐ 10000110000001110011111100011111...

☒ 110000110000001110011111100011111...

☐ 01111001111110001100000011100000...

☐ 001111001111110001100000011100000...

10

What happens when a process closes a file? \*  (1 Point)


☐ The corresponding element in the process's open file table will not be deleted

☒ The corresponding element in the system-wide open file table will be reduced by one

☐ The above assertions are all correct

☐ There is no correct answer

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The root element has the following value. What is the file name? \*  (1 Point)

46	4f	4f	42	41	52	20	20	54	58	54	21	00
65	39	65	39	00	00	91	9e	65	39	c6	10	1a

☒ FOOTBAR.TXT


☐ FOOTBALL.CPP

☐ NONAME.EXE

☐ FILE.DOC

12

In indexing allocation \_\_\_\_\_

\*  (1 Point)

- ☐ each file must occupy a set of contiguous blocks on disk
- ☐ Each file is a linked list of memory blocks on disk
- ☒ all pointers to distributed data blocks are placed together in one location
- ☐ There is no right answer



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