# 练习7 (第10、11章)

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#1 Points possible: 3

Operating system for which the NTFS file system was developed _____.

- ○ LINUX
- ○ UNIX
- ○ DOS
- ◉ WINDOWS NT

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#2 Points possible: 3

A file should be _____ before it is accessed.

- ○ named
- ◉ opened
- ○ established
- ○ backed up

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#3 Points possible: 3

A file system uses a two-level indexed allocation scheme. If the size of each block is 1KB, and the block address is 4 bytes, then the maximum length of a file this system can support is approximately ____ .

- ○ 16MB
- ◉ 64MB
- ○ 128MB
- ○ 256MB

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#4 Points possible: 3

A file’s absolute path name starts from _____ .

- ○ current directory
- ◉ root directory
- ○ home directory
- ○ multi-level directory

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#5 Points possible: 3

Commonly, In memory the file control block of a file does not contain_____.

- ○ the access rights
- ○ the timestamp
- ○ the file size
- ◉ the file name

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#6 Points possible: 3

Consider a file has 100 data blocks. Assume that the file control block, the index block(s) are all in memory. Which of the following actions does not require any I/O operations?

- ○ moving the last block to the beginning, if contiguous allocation method is used
- ◉ moving the last block to the beginning, if indexed allocation method is used
- ○ moving the last block to the beginning, if linked allocation method is used
- ○ moving the first block to the end, if linked allocation method is used

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#7 Points possible: 3

File access is protected by _____.

- both user access rights and user priority
- both user access rights and file attributes
- both user priority and file attributes
- both file attributes and user password

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#8 Points possible: 3

The system design the structure File Control Block (FCB) to manage the files. Commonly, File control block is created on disk when the _____ system call is invoked.

- fork
- open
- read
- write

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#9 Points possible: 3

Files on the hard disk are accessed as units of _____ .

- blocks
- tracks
- records
- cylinders

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#10 Points possible: 3

In order to solve name collision, the file system normally adopts _____.

- pathnames
- indexing
- tree-like directory structures
- conventional naming methods

#11 Points possible: 3

Which file allocation method does not allow direct access efficiently?

- Contiguous allocation
- Linked allocation
- Indexed allocation
- Hashed allocation

#12 Points possible: 3

In a file system, the basic operation in a “Open” system call is _____.

- reading file contents from outer storage into memory
- reading file control information from outer storage into memory
- reading file’s FAT table from outer storage into memory
- reading disk block from disk into memory

#13 Points possible: 3

Which allows supporting multiple file systems?

- ext2
- ext3
- VFS
- NTFS

#14 Points possible: 3

Which of the following acronyms has no relationship with file systems?

- ext3

- FAT32
- ext4
- SDT

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#15 Points possible: 3

Which of the following allocation method is not fit for the file’s dynamic increasing ?

- Contiguous allocation
- Linked allocation
- Indexed allocation
- Hashed allocation

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