

Operating
System
MCQ

2012

Operating System Multiple Choice Questions

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System

1. A static partitioned memory management system has a total of six partitions. If one is allocated to the operating system, this will allow a total of

- a. five user jobs
- b. six user jobs
- c. thirty-two user jobs
- d. thirty-six user jobs
- e. sixty-four user jobs

2. Given memory partitions of 100K, 500K, 200K, 300K and 600K (in order) and processes of 212K, 417K, 112K, and 426K (in order), using the first-fit algorithm in which partition would the process requiring 426K be placed?

- a. 100K
- b. 500K
- c. 200K
- d. 300K
- e. 600K

3. A page fault means that we referenced a page

- a. outside the memory boundaries
- b. with an incorrect I/O request
- c. that was not in secondary storage
- d. that was not in main memory

4. Which of the following information bits used by the various page replacement policies indicates if the page has been called lately?

- a. Locality bit
- b. Status bit
- c. Referenced bit
- d. Modified bit

5. If Round Robin is used with a time quantum of 1 second, the turnaround time for Job 2 will be

- a. 1 second
- b. 2 seconds
- c. 1 hour
- d. 1 hour, 1 second

Job Number CPU Time

1 1 hour

2 1 second

3 1 second

6. The simplest way to break a deadlock is to

- a. preempt a resource
- b. rollback
- c. kill one of the processes
- d. lock one of the processes

7. Process cooperation in a Readers-and-Writers problem requires that the

- a. Writers always call two procedures
- b. Writers perform a Test-and-Set
- c. Readers always call two procedures
- d. Readers perform a Test-and-Set

8. On a disk with 8 records per track, where the records are numbered from 0 to 7, and where the file is stored starting at track 0, record 14 is found on track

- a. 0
- b. 1
- c. 2

9. Given a record size of 120 and block size of 1200, what is the blocking factor?

- a. 10
- b. 15
- c. 20
- d. 25

10. Which of the following topologies consists of multiple CPUs connected by a single communication line running the length of the network?

- a. Tree
- b. Ring
- c. Star
- d. Bus

11. Which environment considers memory, process, and device and file management from a global viewpoint?

- a. Distributed Operating System (DO/S)
b. Network Operating System (NOS)
c. Multiprogramming Operating System (MOS)
d. None of the above
12. The point where multiprogramming is self defeating because the total time spent on a job is equal to the total time that would have been spent on it in a monoprogrammed environment is called
- a. swapping
b. thrashing
c. delaying
13. A portion of the Windows 2000 operating system that is NOT portable is
- a. processor management
b. user interface
c. device management
d. Virtual Memory Manager
14. For multiprogramming systems, most UNIX operating systems use
- a. swapping
b. demand paging
c. either (a) or (b)
d. neither (a) nor (b)
15. On repetitive jobs, rather than coding the same Multiple Virtual Storage/Job Control Language (MVS/JCL) statements over and over, a programmer can define a
- a. cataloged procedure
b. batch file
c. shell script
d. job stream

ANSWERS

1. a 2. e 3. d 4. c 5. b 6. c 7. c 8. b
9. a 10. d 11. a 12. b 13. d 14. c 15. A

2-1. When a computer is first turned on or restarted, a special type of absolute loader called _____ is executed

- A. Compile and Go loader
- B. Boot loader
- C. Bootstrap loader
- D. Relating loader

2-2. Which of the following Operating systems is better for implementing a Client-Server network

- A. MS DOS
- B. Windows 95
- C. Windows 98
- D. Windows 2000

2-3. The operating system manages

- A. Memory
- B. Processes
- C. Disks and I/O devices
- D. all of the above

2-4. Usually, in MSDOS, the primary hard disk drives has the drive letter

- A. A
- B. B
- C. C
- D. D

2-5. What is the function of an operating system?

- A. Manages computer's resources very efficiently
- B. Takes care of scheduling jobs for execution
- C. Manages the flow of data and instructions
- D. All of the above

2-6. Which is not the function of the Operating System?

- A. Memory management
- B. Disk management
- C. Application management
- D. Virus Protection

2-7. Which Operating System doesn't support networking between computers?

- A. Windows 3.1
- B. Windows 95
- C. Windows 2000
- D. Windows NT

2-8. Which Operating System doesn't support long file names?

- A. OS/2
- B. Windows 95

C. MS-DOS

D. Windows NT

2-9. Which file keeps commands to execute automatically when OS is started?

A. command.com

B. any batch file

C. autoexec.bat

D. config.sys

2-10. What should be the extension to execute files?

A. EXE

B. BAT

C. COM

D. All of the above

1 - C / 2 - D / 3 - D / 4 - C / 5 - D / 6 - D / 7 - A / 8 - C / 9 - C / 10 - D

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