

# **Applied Information Technology**

## **Unit 3A**

### **Operating Systems**

**Name:** \_\_\_\_\_

**Multiple Choice Questions – Circle the letter of the correct answer (1 mark each)**

1. Some operating systems use \_\_\_\_ to prevent any one process from monopolizing the computer's resources.
  - a. multiprocessing
  - b. multitasking
  - c. preemptive multitasking
  - d. paging
  
2. Because they are \_\_\_\_, you usually cannot use backup files in their backed up form.
  - a. compressed
  - b. fragmented
  - c. uninstalled
  - d. paged
  
3. The \_\_\_\_ uses the network OS to add and remove users, computers, and other devices to and from the network.
  - a. desktop support specialist
  - b. IT director
  - c. network administrator
  - d. programmer
  
4. Mac OS X, is a multitasking operating system available only for computers manufactured by \_\_\_\_.
  - a. Dell
  - b. IBM
  - c. Apple
  - d. Compaq
  
5. \_\_\_\_ serves as the interface between the user, the application software, and the computer's hardware.
  - a. Productivity software
  - b. Development software
  - c. System software
  - d. Business software

6. When you purchase a personal computer, it usually has \_\_\_\_ installed on its hard disk.
- a. case software
  - b. system software
  - c. financial software
  - d. development software
7. When you install new software or update existing software, often an on-screen prompt instructs you to restart the computer. In this case, a \_\_\_\_ is appropriate.
- a. warm boot
  - b. new boot
  - c. cold boot
  - d. POST
8. In most cases, the operating system is installed and resides on the computer's \_\_\_\_.
- a. CMOS
  - b. BIOS
  - c. RAM
  - d. hard disk
9. A \_\_\_\_ operating system allows only one user to run one program at a time.
- a. single user/multitasking
  - b. single user/single tasking
  - c. single user/multiprocessing
  - d. single user/background processing
10. Reorganizing the disk, so the files are stored in contiguous sectors, is known as \_\_\_\_.
- a. scanning
  - b. reformatting
  - c. defragmenting
  - d. compressing

**Short Answer Questions (2 marks each)**

11. What is an Operating System and what functions does it perform?

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12. Explain the difference between restarting the computer with a cold boot and a warm boot

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13. Why would the Network Administrator need to use the command-Line Interface?

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14. What is a Device Driver and why might you need it when installing a new peripheral device?

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15. Explain in detail the two pieces of information that are required for a user to access or logon to a network,

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16. List two examples of a utility program with a brief description of the maintenance task each performs

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17. Why would companies like Microsoft release a Service Pack for their operating system?

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18. Name the three categories of Operating System and give one example of each

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19. In the mid-1980's Microsoft developed its first version of Windows that had a graphical user interface (GUI)  
What is a GUI?

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20. What is meant by the statement that "The Linux operating system is open source software?"

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### Extended Answer Question (10 marks)

21. Microsoft includes a Web browser, movie making software, a word processing program, plug-ins, a personal firewall, spyware remover and other programs, utilities and features with its Windows operating system. Apple bundles Quicktime, CD burning software, and other programs, utilities and features into Mac OS X. Manufacturers say that combining additional features and programs with their operating systems is a convenience for consumers and sometimes integral to the operating systems' performance. Critics insist that bundling applications with an operating system forces consumers to pay for programs that may be inferior to those available elsewhere.

- Is bundling applications with an operating system fair or is it a noncompetitive practice? Explain your thinking.
- Should computer manufacturers be allowed to choose which bundled applications are installed on computers that they ship to customers? Why or why not?

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