**Tutorial Chapter 3: System Software,Operating system and Utility Programs**

**MULTIPLE CHOICE**

1. \_\_\_\_ software, such as operating systems and utility programs, consists of the programs that control or maintain the operations of a computer and its devices.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | System | c. | Management |
| b. | Application | d. | Program |

2. Two types of system software are \_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | application software and utility programs | c. | operating systems and utility programs |
| b. | Web browsers and application software | d. | operating systems and Web browsers |

3. A(n) \_\_\_\_ system is a set of programs containing instructions that coordinate all the activities among computer hardware resources.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | operating | c. | management |
| b. | disk-based | d. | platform |

4. A cross-platform program is one that runs \_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | only on one operating system | c. | the same on multiple operating systems |
| b. | differently on every operating system | d. | differently on one operating system |

5. The operating system that a computer uses sometimes is called the \_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | base | c. | index |
| b. | platform | d. | boot system |

6. With Windows, a warm boot can be performed by \_\_\_\_.

|  |  |
| --- | --- |
| a. | pressing the power button on the computer |
| b. | clicking a button on the task bar, then a Start menu button, then a Lock menu button |
| c. | pressing the restart button on the computer |
| d. | all of the above |

7. During a cold boot on a personal computer, the POST (power-on self test) results are compared with data in a \_\_\_\_ chip.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | CMOS | c. | BIOS |
| b. | UNIX | d. | SCSI |

8. \_\_\_\_ is the process of starting or restarting a computer.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Launching | c. | Booting |
| b. | Loading | d. | Keying |

9. The \_\_\_\_ is firmware that contains a computer’s startup instructions.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | POST | c. | CMOS |
| b. | BIOS | d. | DIOS |

10. A file that shrinks the size of file(s) are called as

|  |  |  |  |
| --- | --- | --- | --- |
| a. | compressed | c. | server |
| b. | indexed | d. | hosted |

11. Disc burning software usually also includes \_\_\_\_ editing capabilities.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | photo | c. | video |
| b. | multimedia | d. | audio |

Software

System Software

7 Examples:

4 Examples:

5 Examples:

5 Examples:

Category 3\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Category 2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Example:

Category 1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. What is system software?

3. Differentiate between hibernates and sleep mode.

4. What is spyware and adware?

5. Define Operating System:

6. Filters are programs that remove or block certain items from being displayed. List 4 filters program and explain each of it.

**ESSAY**

1. Explain what virtual memory is and why it is important, making sure to explain the following key terms: swap file, page, and thrashing.

2. What functions do utility programs serve? Describe at least seven common utility programs.