

Lesson 01: Computers and Operating Systems

1. A computer inputs, processes, stores, and outputs data.

- a. True
- b. False

ANSWER: True

2. Software is a set of instructions that helps a computer perform tasks.

- a. True
- b. False

ANSWER: True

3. A digital divide is defined as two computers that are not connected to the Internet.

- a. True
- b. False

ANSWER: False

4. Windows 8 and Mac OS are interchangeable and can be run on any laptop.

- a. True
- b. False

ANSWER: False

5. A server is a computer that manages access to other computers in a network.

- a. True
- b. False

ANSWER: True

6. A cold boot is when a computer is started after it has been powered off.

- a. True
- b. False

ANSWER: True

7. When you add a new printer to your computer, it requires a driver to operate.

- a. True
- b. False

ANSWER: True

8. A computer shut down and a sign out perform the same task.

- a. True
- b. False

ANSWER: False

9. Only one Windows account is allowed when Windows 8 is installed on a computer.

- a. True
- b. False

ANSWER: False

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10. RAM is an operating system related to UNIX.

- a. True
- b. False

ANSWER:

False

11. A printer connected to your PC is referred to as a(n) network.

ANSWER: False - peripheral

12. An operating system is considered application software.

ANSWER: False - system

13. Android is an example of a mobile operating system.

ANSWER:

True

14. A navigation system uses a(n) embedded operating system.

ANSWER:

True

15. ROM is used to store instructions and data temporarily.

ANSWER: False - RAM

16. Which of the following is NOT true about the earliest computers?

- a. They had less processing power than an iPhone.
- b. They occupied small buildings or entire city blocks.
- c. They were so expensive only major companies or government organizations could afford them.
- d. They were first developed in the 1970s.

ANSWER:

d

17. Data is ____.

- a. text, numbers, sound, images, or video
- b. information
- c. output
- d. software

ANSWER:

a

18. The first step in the information processing cycle ____.

- a. outputs information
- b. stores data and information
- c. inputs data
- d. processes data

ANSWER:

c

19. A graphical user interface can be identified by the ____ it displays.

- a. commands
- b. data
- c. icons
- d. network

ANSWER:

c

20. Norton AntiVirus software is an example of a(n) ____.

- a. utility program
- b. Web site

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c. operating system

d. application program

ANSWER:

a

21. Another term to identify a computer's operating system is _____.

a. graphical user interface

b. platform

c. RAM

d. hard drive

ANSWER:

b

22. Mac iOS and Android are examples of _____.

a. CPUs

b. mobile operating systems

c. embedded operating systems

d. motherboards

ANSWER:

b

23. All of the following are characteristics of an embedded operating system EXCEPT: _____.

a. built into the device

b. always depends on user intervention to work

c. meets a specific purpose

d. performs a single type of task

ANSWER:

b

24. A _____ administrator is responsible for managing computers that are connected to a shared printer.

a. system

b. database

c. technology

d. network

ANSWER:

d

25. The _____ handles the instructions for your computer to start up before the operating system is loaded.

a. RAM

b. ROM

c. BIOS

d. CPU

ANSWER:

c

26. Which of the following is NOT true about RAM?

a. It is temporary.

b. It is generally measured in megahertz (MHz).

c. All programs need space in RAM to run.

d. Is a critical computer memory resource.

ANSWER:

b

27. On a laptop, the main area where productivity applications are run is called the _____.

a. desktop

b. buffer

c. window

d. spooler

ANSWER:

a

28. In Windows 8, you can display the shutdown options using the _____ bar.

a. Task

b. Status

c. Charms

d. Tabs

ANSWER:

c

29. RAM stands for _____ access memory.

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- | | |
|-----------|------------|
| a. remote | b. return |
| c. random | d. regular |

ANSWER: c

Gemma starts her computer and begins working on a new Microsoft Word document.

30. When Gemma starts Microsoft Word, the computer loads the word-processing instructions into ____.
- | | |
|-------------------------|--------------------|
| a. RAM | b. ROM |
| c. the operating system | d. the motherboard |

ANSWER: a

31. Gemma completes her document and is ready to print so she sends her work to the printer, where it is placed in the ____ waiting to be output.

- | | |
|-----------------|-----------|
| a. boot process | b. BIOS |
| c. swap | d. buffer |

ANSWER: d

Tarun is researching various operating systems.

32. Tarun learns that Windows, Mac OS, and ____ are the most popular personal computer operating systems.
- | | |
|-------------|----------|
| a. Maverick | b. Linux |
| c. DOS | d. UNIX |

ANSWER: b

33. Tarun discovers that the job of the operating system is to perform all of the following tasks EXCEPT: ____.
- | | |
|--------------------------------|-----------------------------|
| a. complete start-up steps | b. manage memory |
| c. provide anti-virus software | d. process input and output |

ANSWER: c

34. An iPad would most likely run on the ____ platform.

- | | |
|---------------|------------|
| a. Windows RT | b. Mac iOS |
| c. Android | d. Linux |

ANSWER: b

35. Using the ____ option to end a computer session will keep applications and the operating system running in a low-power state.

- | | |
|--------------|----------|
| a. Shut down | b. Lock |
| c. Sign out | d. Sleep |

ANSWER: d

36. Devices such as your monitor and printer that are connected to your computer are also known as ____.

ANSWER: peripherals

37. A(n) _____ is an electronic device that receives, processes, and stores data, and produces a result.

ANSWER: computer

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38. Windows 8 is a type of _____ software.

ANSWER: _____ system

39. Your microwave oven uses a(n) _____ operating system to perform its tasks.

ANSWER: _____ embedded

40. A computer's operating system can automatically configure a newly connected device through a featured called _____.

ANSWER: _____ Plug and Play

41. Describe the four steps of the information processing cycle. What role does the operating system play in this process?

ANSWER: The four steps of the information processing cycle are:

1. Input data.
2. Process data.
3. Output information.
4. Store data and information.

When information is processed, the operating system manages the computer's resources, such as memory, processing components, storage space, and peripherals. Memory is managed using RAM so that multiple applications can be run.

Identify the letter of the choice that best matches the phrase or definition.

- a. Server
- b. Application software
- c. System software
- d. Virtual memory
- e. Driver

42. Instructions that run the computer and its utilities

ANSWER: _____ c

43. A computer that connects multiple computers together in a shared environment

ANSWER: _____ a

44. Instructions that enable the operating system to interact with a device

ANSWER: _____ e

45. Hard drive space that can work as RAM

ANSWER: _____ d

46. Instructions that accomplish a specific task

ANSWER: _____ b