Assignment 1

- **Question 1**

  1 out of 1 points

  In what way is an operating system like a government?

  Correct Answer: ✅

  It creates an environment within which other programs can do useful work.

- **Question 2**

  1 out of 1 points

  ____ operating systems are designed primarily to maximize resource utilization.

  Correct Answer: ✅

  Mainframe

- **Question 3**

  1 out of 1 points

  The most common secondary storage device is ____.

  Correct Answer: ✅

  magnetic disk

- **Question 4**

  1 out of 1 points

  A ____ can be used to prevent a user program from never returning control to the operating system.

  Correct Answer: ✅

  timer

- **Question 5**

  1 out of 1 points

  Embedded computers typically run on a ____ operating system.

  Correct Answer: ✅

  real-time

- **Question 6**

  1 out of 1 points

  A clustered system ____.

  Correct Answer: ✅

  gathers together multiple CPUs to accomplish computational work

- **Question 7**

  1 out of 1 points

Which of the following is a property of peer-to-peer systems?

Correct Answer: ✅

Clients and servers are not distinguished from one another.

- **Question 8**

1 out of 1 points

What are some other terms for kernel mode?

Correct Answer: ✅

All of the above

- **Question 9**

1 out of 1 points

Which of the following statements concerning open source operating systems is true?

Correct Answer: ✅

Source code is freely available.

- **Question 10**

1 out of 1 points

Which of the following operating systems is not open source?

orrect Answer: ✅

Windows

- **Question 11**

1 out of 1 points

A(n) _____ is the unit of work in a system.

Correct Answer: ✅

process

- **Question 12**

1 out of 1 points

The two separate modes of operating in a system are

Correct Answer: ✅

user mode and kernel mode

- **Question 13**

1 out of 1 points

The operating system kernel consists of all system and application programs in a computer.

Correct Answer: ✅ False

- **Question 14**

1 out of 1 points

Flash memory is slower than DRAM but needs no power to retain its contents.

Correct Answer: ✅ True

- **Question 15**

  1 out of 1 points

  A system call is triggered by hardware.

  Correct Answer: ✅ False

- **Question 16**

  1 out of 1 points

  UNIX does not allow users to escalate privileges to gain extra permissions for a restricted activity.

  Correct Answer: ✅ False

- **Question 17**

  1 out of 1 points

  Processors for most mobile devices run at a slower speed than a processor in a desktop PC.

  Correct Answer: ✅ True

- **Question 18**

  1 out of 1 points

  Interrupts may be triggered by either hardware of software.

  Correct Answer: ✅ True

- **Question 19**

  1 out of 1 points

  All computer systems have some sort of user interaction.

  Correct Answer: ✅ False

- **Question 20**

  1 out of 1 points

  Solid state disks are generally faster than magnetic disks.

  Correct Answer: ✅ True

- **Question 21**

  1 out of 1 points

  Solid state disks are considered volatile storage.

  Correct Answer: ✅ False

- **Question 22**

  1 out of 1 points

  There is no universally accepted definition of an operating system.

  Correct Answer: ✅ True