OS test

1. What is the main function of command interpreter?

Answers

1. to get and execute the next specified command

2. to provide an interface between the API and application program.

3. to handle the files in an operating system.

4. None of the above

2. Which of the following does not occur during power-on-self-test(POST)?

Answers

1. The video card and video memory are tested

2. The scandisk utility begins to run

3. The BIOS identification process occurs

4. Memory chip are checked to ensure that they are working properly

3. BIOS program resides in

Answers

1. RAM

2. The CPU

3. ROM

4. Cache Memory

5. none of the above

4. What is the name of a program which runs very first in the computer machine?

Answers

1. POST

2. BIOS

3. Kernel

4. All of the above

5. None of the above

5. Portion of the RAM occupied by the core part of an operating system all the time is called as

Answers

1. System space

2. Kernel space

3. Monitor space

4. None of the above

6. User Programs interacts with the kernel directly through \_\_\_\_\_.

Answers

1. libary functions

2. system calls

3. command user interface layer

4. graphical user interface layer

7. In a kernel mode, value of the mode bit is \_\_.

Answers

1. 0

2. 1

3. -1

4. None of the above

8. Which of the following system call never fails?

Answers

1. fork()

2. kill()

3. getpid()

4. read()

9. write() system call gets called from inside \_\_\_\_\_\_ library function.

Answers

1. fputc()

2. fwrite()

3. fprintf()

4. fputs()

5. all of the above

10. An OS treats all storage devices as \_\_\_\_\_\_\_.

Answers

1. character special device files

2. block special device files

3. virtual device files

4. all of the above

5. none of the above

11. Virtual Memory in a memory hierarchy consists of

Answers

1. Cache & RAM

2. Cache & Disk

3. RAM & Disk

4. All of the above

12. Contiguos memory allocation faces the problem of

Answers

1. Memory fragmentation

2. Page faults

3. Minimim throughput

4. All of the above

13. Type of the file can be represented by

Answers

1. file name

2. file extension

3. file identifier

4. none of the above

14. Which of the following is not a disk space allocation method?

Answers

1. Linked List allocation

2. Contiguos allocation

3. Vector allocation

4. Index allocation

15. Which of the following is the best solution on external fragmentation problem?

Answers

1. Compaction

2. Segmentation

3. Paging

4. All of the above

5. None of the above

16. Which of the IPC mechanism is faster?

Answers

1. Pipe

2. Message Queue

3. Socket

**4. Shared Memory Model**

17. Concurrent access to shared data may result in \_\_\_\_\_\_\_\_\_\_.

Answers

1. data consistency

2. data insecurity

3. data inconsistency

4. none of the above mentioned

18. SJF scheduling under non-preemptive algorithm is also called as

Answers

1. Shortest-Next-Time-First

2. Shortest-Remaining-Time-First

3. Shortest-Seek-Time-First

4. All of the above

5. None of the above

19. \_\_\_\_\_\_\_\_ CPU scheduling algorithm ensures minimum waiting time.

Answers

1. FCFS

2. SJF

3. Priority

4. Round Robin

20. Which of the following is not a Deadlock handling method?

Answers

1. Deadlock Prevention

2. Deadlock Detection & Avoidance

3. Deadlock Protection

4. Deadlock Recovery