

USCS303 OPERATING SYSTEM SAMPLE QUESTIONS

- 1) An operating system is a program that manages the computer _____.
A)application B)File system C)software D)hardware
- 2)_____ provide an interface to the services made available by an operating system.
A)protection B)System calls C)register D)process control
- 3) Many modern operating systems have extended the process concept to allow a process to have multiple _____ of execution.
A)threads B)software C)functions D)systems
4. What is a Process Control Block?
A.Process type variable B.Data Structure
C.A secondary storage section D.A Block in memory
- 5.The number of processes completed per unit time is known as _____
A.Output B.Throughput C.Efficiency D.Capacity
- 6.A thread is also called
a)Light Weight Process(LWP) b)Heavy Weight Process(HWP) c)Process
d)Program
- 7.A thread shares with other thread belonging to the same process its
A.thread ID B.Program Counter
C.register set and stack D.code section and data section
8. Which scheduling algorithm allocates the CPU first to the process that requests the CPU first? A. first-come, first-served scheduling B. shortest job scheduling
C. priority scheduling D. none of the mentioned
- 9.In priority scheduling algorithm _____
A. CPU is allocated to the process with highest priority
B. CPU is allocated to the process with lowest priority
C. Equal priority processes cannot be scheduled
D. None of the mentioned

10. If the wait for graph contains a cycle _____

- a) then a deadlock does not exist
- b) then a deadlock exists
- c) then the system is in a safe state
- d) either deadlock exists or system is in a safe state

11. A Page Table is to store the mapping between _____ address and physical addresses.

- a) main
- b) external
- c) internal
- d) virtual

12. Every address generated by the CPU is divided into two parts. They are _____

- a) frame bit & page number
- b) page number & page offset
- c) page offset & frame bit
- d) frame offset & page offset

13. The percentage of times a page number is found in the TLB is known as _____

- a) miss ratio
- b) hit ratio
- c) miss percent
- d) none of the mentioned

14. The time taken for the desired sector to rotate to the disk head is called _____

- a) positioning time
- b) random access time
- c) seek time
- d) rotational latency

15. The information about all files is kept in _____

- a) swap space
- b) operating system
- c) separate directory structure
- d) none of the mentioned