

Operating System Question Bank for KT Paper, September 2020

1. A _____ is a program in execution.
 - a. Task
 - b. Process
 - c. Thread
 - d. None of the above
2. _____ basic unit of CPU utilization.
 - a. Task
 - b. Process
 - c. Thread
 - d. None of the above
3. FCFS is _____ type of algorithm.
 - a. Pre-emptive
 - b. Non-preemptive
 - c. Both a & b
 - d. None of the above
4. RR is _____ type of algorithm.
 - a. Pre-emptive
 - b. Non-preemptive
 - c. Both a & b
 - d. None of the above
5. SJF is _____ type of algorithm.
 - a. Pre-emptive
 - b. Non-preemptive
 - c. Both a & b
 - d. None of the above
6. SRF is _____ type of algorithm.
 - a. Pre-emptive
 - b. Non-preemptive
 - c. Both a & b
 - d. None of the above
7. _____ is a job of short-term scheduler.
 - a. CPU allocation
 - b. File allocation
 - c. Swapping
 - d. None of the above
8. The number of process execution per unit time is _____
 - a. CPU utilization
 - b. Throughput
 - c. Output
 - d. None of the above
9. ____ is the layer of a computer system between the hardware and the user program
 - a. Operating environment
 - b. Operating system
 - c. System environment
 - d. None
10. Process swapping is the job of _____
 - a. Long Term Scheduler
 - b. Short Term Scheduler
 - c. Medium Term Scheduler
 - d. All of the above
11. _____ is a primary memory
 - a. RAM
 - b. ROM
 - c. Hard disk
 - d. None of the above

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12. _____ is a secondary memory
 - a. RAM
 - b. ROM
 - c. Hard disk
 - d. None of the above
13. The size of page is _____
 - a. Fixed
 - b. Variable
 - c. Both a & B
 - d. None of the above
14. The size of segment is _____
 - a. Fixed
 - b. Variable
 - c. Both a & B
 - d. None of the above
15. Highpaging activity is called as _____
 - a. Thrashing
 - b. Working set
 - c. Both a & b
 - d. None of the above
16. Unused memory within the partition is _____
 - a. Internal Fragmentation
 - b. External Fragmentation
 - c. Both a & b
 - d. None of the above
17. _____ partially loaded memory management technique.
 - a. Segmentation
 - b. Paging
 - c. VM
 - d. All of the above
18. _____ is associative memory
 - a. RAM
 - b. ROM
 - c. TLB
 - d. All of the above
19. _____ contained in page table
 - a. Base address
 - b. Logical address
 - c. Virtual address
 - d. Offset address
20. Data transfer without CPU is done by _____
 - a. DMA
 - b. Interrupt
 - c. Polling
 - d. All of the above
21. The number of processes completed per unit time is known as _____
 - a) Output
 - b) Throughput
 - c) Efficiency
 - d) Capacity

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22. What is a long-term scheduler?
- a) It selects which process has to be brought into the ready queue
 - b) It selects which process has to be executed next and allocates CPU
 - c) It selects which process to remove from memory by swapping
 - d) None of the mentioned
23. In a multiprogramming environment _____
- a) the processor executes more than one process at a time
 - b) the programs are developed by more than one person
 - c) more than one process resides in the memory
 - d) a single user can execute many programs at the same time
24. _____ can be affected by other processes executing in the system?
- a) cooperating process
 - b) child process
 - c) parent process
 - d) init process
25. _____ is a synchronization tool?
- a) thread
 - b) pipe
 - c) semaphore
 - d) socket