Online Assessment (Even Sem/Part-I/Part-II Examinations 2019 - 2020

Course Name - −Operating System
Course Code - DCSE403

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Answer all the questions. Each question carry one mark.

9. 1. What is operating system?

Mark only one oval.

⬭ Collection of programs that manages hardware resources

⬭ Link to interface the hardware and application programs

⬭ System service provider to the application programs

⬭ All of these

10. 2. An SJF algorithm is simply a priority algorithm where the priority is _____

Mark only one oval.

⬭ The predicted next CPU burst

⬭ The current CPU burst

⬭ The inverse of the predicted next CPU burst

⬭ None of these

11.   3. Which one of the following is not true?

Mark only one oval.

◯ Kernel is the program that constitutes the central core of the operating system

◯ Kernel is the first part of operating system to load into memory during booting

◯ Kernel remains in the memory during the entire computer session

◯ Kernel is made of various modules which can not be loaded in running operating system

12.   4. Process synchronization can be done on _____

Mark only one oval.

◯ Hardware level

◯ Software level

◯ Both hardware and software level

◯ None of these

13.   5. What is the main function of the command interpreter?

Mark only one oval.

◯ To provide the interface between the API and application program

◯ To get and execute the next user specified command

◯ To handle the files in operating system

◯ None of these

14.   6. The code that changes the value of the semaphore is _____

Mark only one oval.

⚪ Remainder section code

⚪ Critical section code

⚪ Non – critical section code

⚪ None of these

15.   7. Which one of the following is not a real time operating system?

Mark only one oval.

⚪ Palm OS

⚪ Windows CE

⚪ VxWorks

⚪ RTLinux

16.   8. Who was the inventor of Android Operating System?

Mark only one oval.

⚪ Andy Rich Nick

⚪ Bill Gates

⚪ Steve Jobs

⚪ Kernel Torvalds

17.   9. What are the two kinds of semaphores?

Mark only one oval.

◯ Rapid, Counting

◯ Binary, Counting

◯ Binary, Random

◯ None of these

18.   10. Which one of the following is the deadlock avoidance algorithm?

Mark only one oval.

◯ Elevator algorithm

◯ Round-robin algorithm

◯ Bankers algorithm

◯ None of these

19.   11. Example of open source operating system is

Mark only one oval.

◯ LINUX

◯ WINDOWS

◯ UNIX

◯ Both UNIX and LINUX

20. 12. For every process there is a _____

Mark only one oval.

◯ Page table

◯ Copy of page table

◯ Pointer to page table

◯ All of these

21. 13. The number of processes completed per unit time is known as _____

Mark only one oval.

◯ Output

◯ Efficiency

◯ Throughput

◯ Capacity

22. 14. Which of the following is not essential to shut down your computer

Mark only one oval.

◯ Save all opened files

◯ Close all running applications

◯ Switch off monitor

◯ None of these

23.   15. Which of the following is not the state of a process?

Mark only one oval.

◯ Old

◯ Ready

◯ New

◯ Running

24.   16. Running multiple programs at the same time is called

Mark only one oval.

◯ Foreground tasking

◯ Single tasking

◯ Multitasking

◯ Symmetric tasking

25.   17. The interval from the time of submission of a process to the time of completion
       is termed as _____

Mark only one oval.

◯ Waiting time

◯ Response time

◯ Turnaround time

◯ None of these

26.   18. Booting means

Mark only one oval.

◯ Shutting down

◯ Restarting a computer

◯ Removing error

◯ Installing program

27.   19. When you open my computer on desktop, you see the information of

Mark only one oval.

◯ Hard disc

◯ Removable disc

◯ CD

◯ All of these

28.   20. Use action such as key stroke or mouse click are referred to as

Mark only one oval.

◯ Interrupt

◯ Tasks

◯ Event

◯ Processes

29.   21. An _____ is a set of entities of the same type that share the same properties, or attributes

Mark only one oval.

◯ Delete

◯ Ctrl+Delete

◯ Shift+Delete

◯ None of these

30.   22. Process is_____

Mark only one oval.

◯ Program in Execution

◯ Application software

◯ Process control Block

◯ None of these

31.   23. The systems which allow only one process execution at a time, are called _____

Mark only one oval.

◯ Uni programming systems

◯ Uni tasking systems

◯ Uni processing systems

◯ None of these

32. 24. Program resides into _____

Mark only one oval.

◯ Main memory

◯ Secondary Memory

◯ Both Main memory and Secondary Memory

◯ None of these

33. 25. Which algorithm is defined in Time quantum?

Mark only one oval.

◯ Priority scheduling algorithm

◯ Shortest job scheduling algorithm

◯ Round robin scheduling algorithm

◯ Multilevel queue scheduling algorithm

34. 26. A process can be terminated due to _____

Mark only one oval.

◯ Normal exit

◯ Fatal error

◯ Killed by another process

◯ All of these

35.   27. What is inter process communication?

Mark only one oval.

◯ Communication within the process

◯ Communication between two threads of same process

◯ Communication between two process

◯ None of these

36.   28. A process stack does not contain _____

Mark only one oval.

◯ Function parameters

◯ Local variables

◯ PID of child process

◯ Return addresses

37.   29. In a time-sharing operating system, when the time slot given to a process is completed, the process goes from the running state to the _____

Mark only one oval.

◯ Blocked state

◯ Suspended state

◯ Ready state

◯ Terminated state

38.   30. What is a semaphore?

Mark only one oval.

◯ Is a binary mutex

◯ Must be accessed from only one process

◯ Can be accessed from multiple processes

◯ None of these

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