

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

Course Name - --Operating Systems

Course Code - PCC-CS 403

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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
- system service provider to the application programs
- link to interface the hardware and application programs
- All of these

10. 2. If a process fails, most operating system write the error information to a _____

Mark only one oval.

- another running process
- new file
- log file
- none of these

11. 3. To access the services of operating system, the interface is provided by the

Mark only one oval.

- API
- Library
- System calls
- Hexadecimal

12. 4. 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 remains in the memory during the entire computer session
- kernel is made of various modules which can not be loaded in running operating system
- kernel is the first part of operating system to load into memory during booting

13. 5. Which facility dynamically adds probes to a running system, both in user processes and in the kernel?

Mark only one oval.

- DLocate
- DTrace
- DMap
- DAdd

14. 6. The OS X has _____

Mark only one oval.

- monolithic kernel
- hybrid kernel
- micro kernel
- monolithic kernel with modules

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

Mark only one oval.

- VxWorks
- RTLinux
- Windows CE
- Palm OS

16. 8. To access the services of operating system, the interface is provided by the _____

Mark only one oval.

- System calls
- Library
- API
- Assembly instructions

17. 9. Which one is the outermost component of Operating System?

Mark only one oval.

- Kernel
- Shell
- both Kernal and Shell
- None of these

18. 10. What is the function of FORK() in Kernel

Mark only one oval.

- To create child process
- to create TLB
- To create processor
- to create deadlock

19. 11. Who was the inventor of Android Operating System?

Mark only one oval.

- Steve Jobs
- Bill Gates
- Andy Rich Nick
- Kernel Torvalds

20. 12. Multiprocessing system gives a

Mark only one oval.

- Small system
- Macro system
- loosely coupled system
- Tightly coupled system

21. 13. Who was the inventor of WINDOWS Operating System?

Mark only one oval.

- Steve Jobs
- Bill Gates
- Andy Rich Nick
- Kernel Torvalds

22. 14. Multiprocessor system have advantage of

Mark only one oval.

- Expensive hardware
- operating system
- Increased Throughput
- both Increased Throughput and Expensive hardware

23. 15. UNIX was initially developed at

Mark only one oval.

- NASA Labs
- Bell Labs
- Microsoft Labs
- Kaspersky Labs

24. 16. System structure of Linux is

Mark only one oval.

- Microsoft Windows
- UNIX
- Monolithic Kernel
- Window Vista

25. 17. Timer is used to prevent a single

Mark only one oval.

- Time
- Job
- Computer
- Information

26. 18. What is the function of Shell?

Mark only one oval.

- Makes Communication between Hardware and Software
- Makes Communication between Application and Software Software.
- Makes interface for Users
- None of these

27. 19. Example of open source operating system is

Mark only one oval.

- UNIX
- Linux
- windows
- both UNIX and Linux

28. 20. Example of Types of OS are:

Mark only one oval.

- Batch System and Multiprocessor
- Desktop and Cluster System
- Real Time and Distributed
- All of these

29. 21. In _____ information is recorded magnetically on platters.

Mark only one oval.

- electrical disks
- assemblies
- magnetic disks
- cylinders

30. 22. Consider a disk queue with requests for I/O to blocks on cylinders.98 183 37 122
14 124 65 67Considering FCFS (first cum first served) scheduling, the total number
of head movements is, if the disk head is initially at 53 is?

Mark only one oval.

- 620
- 630
- 640
- 650

31. 23. Consider a disk queue with requests for I/O to blocks on cylinders.98 183 37 122
14 124 65 67Considering SSTF (shortest seek time first) scheduling, the total
number of head movements is, if the disk head is initially at 53 is?

Mark only one oval.

- 255
- 235
- 236
- None of these

32. 24. Device drivers are implemented to interface _____

Mark only one oval.

- character devices
- block devices
- network devices
- all of the mentioned

33. 25. The device-status table contains _____

Mark only one oval.

- each I/O device type
- each I/O device address
- each I/O device state
- all of the mentioned

34. 26. With paging there is no _____ fragmentation

Mark only one oval.

- internal
- external
- either type of
- none of the mentioned

35. 27. The _____ is used as an index into the page table.

Mark only one oval.

- frame bit
- page number
- page offset
- frame offset

36. 28. Physical memory is broken into fixed-sized blocks called _____

Mark only one oval.

- frames
- pages
- backing store
- none of the mentioned

37. 29. When the page fault rate is low _____

Mark only one oval.

- the turnaround time increases
- the effective access time increases
- the effective access time decreases
- turnaround time & effective access time increases

38. 30. A page fault occurs when?

Mark only one oval.

- a page gives inconsistent data
- a page is invisible
- a page cannot be accessed due to its absence from memory
- all of the mentioned

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