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The Supercomputing People

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QuestionID : 11059   Subject Name   Operating Syatems Concepts

Q1. The CPU utilization is low when the system is
1. Time sharing
2. Thrashing
3. Multiprocessing
4. None of the above

Correct Answer : 2

Your Answer :

QuestionID : 11071   Subject Name   Operating Syatems Concepts

Q2. ------ scheduler selects the process that is ready to execute to CPU.
1. long-term scheduler
2. short-term scheduler
3. medium-term scheduler
4. None of these

Correct Answer : 2

Your Answer :

QuestionID : 11074   Subject Name   Operating Syatems Concepts

Q3. LAN covers radius of up to 10 KM

Correct Answer : F

Your Answer :

QuestionID : 11083   Subject Name   Operating Syatems Concepts

Q4. A process refers to 5 pages, A,B,C,D & E in the order - A; B; C; D; A; B;
E; A; B; C; D; E. If the page replacement algorithm is FIFO,the number
of pages which transfer with an emty internal store of 3 frames is
1. 8
2. 10
3. 9
4. 7

Correct Answer : 3

Your Answer :

QuestionID : 11088   Subject Name   Operating Syatems Concepts

Q5. Disk request come to a disk driver for cylinders in the order
10,22,20,2,40,6 and 38, at time when the disk drive is reading from cylinder
20.

The seek time is 6 ms per cylinder. the total seek time, if the disk arm sheduling algorithm is first come first served is

1. 360 ms
2. 850 ms
3. 900 ms
4. none of above

Correct Answer : 4

Your Answer :

QuestionID : 11093   Subject Name Operating Syatems Concepts

Q6. SPOOLING stands for simultaneous peripheral operation online.

Correct Answer : T

Your Answer :

QuestionID : 11101   Subject Name Operating Syatems Concepts

Q7. The following is not a form of IPC.

1. semaphore
2. pipe
3. shared memory
4. buffering

Correct Answer : 1

Your Answer :

QuestionID : 11102   Subject Name Operating Syatems Concepts

Q8. Disk request come to a disk driver for cylinders in the order 10,22,20,2,40,6 and 38, at time when the disk drive is reading from cylinder 20.

The seek time is 6 ms per cylinder. the total seek time, if the disk arm sheduling algorithm is closest cylinder next is

1. 360 ms
2. 876 ms
3. 850 ms
4. 900 ms

Correct Answer : 1

Your Answer :

QuestionID : 11105   Subject Name Operating Syatems Concepts

Q9. It is possible to have a deadlock involving only a single process

Correct Answer : F

Your Answer :

QuestionID : 11110   Subject Name Operating Syatems Concepts

Q10. The signal the keyboard sends to the computer is special kind of message called_____

1. Keyboard request
2. Keyboard controller

3. Interrupt Controller
4. Interrupt Request
Correct Answer : 4
Your Answer :
QuestionID : 11115   Subject Name Operating Syatems Concepts
Q11.
the address sequence generated by a particular program executing in
demand paging with 100 records per page with one free memory
frame is recorded.what is the number of page fault;
100,200,430,499,510,530,560,120,220,240,260,320,370
1. 13
2. 7
3. 8
4. 10
Correct Answer : 4
Your Answer :
QuestionID : 11118   Subject Name Operating Syatems Concepts
Q12. Protection of memory is ensured using ------- and -------.
1. paging,virtual memory
2. base register ,limit register
3. IP egister,hardware register
4. scheduling,synchronization
Correct Answer : 2
Your Answer :
QuestionID : 11119   Subject Name Operating Syatems Concepts
Q13. Which of the following is true?

a) Overlays are used to increase the size of physical memory
b) Overlays are used to increase the logical address space
c) when overlays are used the size of project is not limited to the size of
physical memory
d) Overlays are used whenever the physical address space is smaller than the
logical address space
1. a and b
2. only c
3. only a
4. none of the above
Correct Answer : 2
Your Answer :
QuestionID : 11122   Subject Name Operating Syatems Concepts
Q14. Banker`s algorithm is an example of Deadlock avoidance.

Correct Answer : T

Your Answer :

QuestionID : 11125   Subject Name Operating Syatems Concepts

Q15. _____ is an example of sharable resource and _____ is an example of non Sharable resouece.

   1. Memory,Terminal.
   2. Mouse,KeyBoard
   3. Monitor,CPU
   4. None of above.

Correct Answer : 1

Your Answer :

QuestionID : 11141   Subject Name Operating Syatems Concepts

Q16. Which of the following statement is true?

   1. A computer Virus is complete program that makes active attacks.
   2. A computer virus is program segment that makes passive attatcks.
   3. A logic bomb is program segment that makes passive attacks.
   4. A logic bomb is program that makes active attacks.

Correct Answer : 1

Your Answer :

QuestionID : 11148   Subject Name Operating Syatems Concepts

Q17. Which of the following is the most suitable scheduling scheme in real time operating system.

   1. round robin
   2. first come first served
   3. pre-emtive scheduling
   4. random scheduling

Correct Answer : 3

Your Answer :

QuestionID : 11165   Subject Name Operating Syatems Concepts

Q18. Bankers algorithm is an example of deadlock avoidance.

Correct Answer : T

Your Answer :

QuestionID : 11167   Subject Name Operating Syatems Concepts

Q19. In the context of concurrent processes ,_____ is used to control the access
to shared the data

   1. semaphore
   2. deadlock
   3. monitor
   4. ALU

Correct Answer : 1

Your Answer :

QuestionID : 11168   Subject Name Operating Syatems Concepts

Q20. Which of the following are single user Operating Systems.

1. MS-DOS Only
2. Unix
3. MS-DOS,Xenix
4. OS/2.

Correct Answer : 3

Your Answer :

QuestionID : 11172   Subject Name Operating Syatems Concepts

Q21. Andrew and Sprite are examples of Distributed operating system.

Correct Answer : T

Your Answer :

QuestionID : 11180   Subject Name Operating Syatems Concepts

Q22. During system stratup,program execution begin at address FFFOH

Correct Answer : T

Your Answer :

QuestionID : 11182   Subject Name Operating Syatems Concepts

Q23. In Round robin CPU scheduling as the time quantum is incresed the average turn around time ....

1. Increases
2. Decreases
3. Varies
4. Varies irregularly.

Correct Answer : 4

Your Answer :

QuestionID : 11186   Subject Name Operating Syatems Concepts

Q24. The size of virtual memory depends on the size of the

1. data bus
2. main memory
3. address bus
4. none

Correct Answer : 3

Your Answer :

QuestionID : 11189   Subject Name Operating Syatems Concepts

Q25. In paged memory system if the page size is increased then internal fragmentation generally.

1. becomes less
2. becomes more
3. remains constant
4. none of the above

Correct Answer : 2

Your Answer :

QuestionID : 11193   Subject Name Operating Syatems Concepts

Q26. A_____ operating system is an operating syatem which requires a timely response from a computer system

1. Batch os
2. Workstation
3. a and b
4. None of the above

Correct Answer : 4

Your Answer :

QuestionID : 11195   Subject Name Operating Syatems Concepts

Q27. Suppose the architecture of a computer system is layered into the following four layers:-

1. Operating System software.
2. users application software.
3. hardware and programming environment software.
4. all of the above.

Correct Answer : 4

Your Answer :

QuestionID : 11201   Subject Name Operating Syatems Concepts

Q28. Following is not a IPC

1. semaphore
2. pipe
3. shared memory
4. Buffering

Correct Answer : 1

Your Answer :

QuestionID : 11203   Subject Name Operating Syatems Concepts

Q29. The protected mode is necessary for :-

1. Multitasking system.
2. Multiuser System.
3. both 1 & 2
4. 16 bit programming.

Correct Answer : 1

Your Answer :

QuestionID : 11204   Subject Name Operating Syatems Concepts

Q30. _____ sheduler select the process that is ready to execute to CPU.

1. Long term
2. Short term
3. medium term

4. none of above
Correct Answer : 2
Your Answer :
QuestionID : 11217   Subject Name Operating Syatems Concepts
Q31. Which of the following page replacement algorithms
suffers from Belady`s anomaly?
   1. Optimal replacement
   2. LRU
   3. FIFO
   4. Both optimal replacement and FIFO
Correct Answer : 3
Your Answer :
QuestionID : 11233   Subject Name Operating Syatems Concepts
Q32. Which of the following statement is true for dead lock?
   1. The system can not run any process.
   2. The system can not run any process barring all those involved in the
deadlock?
   3. A running process can not request any new response.
   4. All processes in the ready queue enter the wait.
Correct Answer : 1
Your Answer :
QuestionID : 11234   Subject Name Operating Syatems Concepts
Q33. The time of admission of a job to ready queue to completion is _____ .
   1. turn-arround time
   2. burst time
   3. response time
   4. None of above
Correct Answer : 1
Your Answer :
QuestionID : 11245   Subject Name Operating Syatems Concepts
Q34. The segmented memory is provided mainly
   1. for higher speeds
   2. to maintain compatibity with old processors
   3. for ease of application programming
   4. simple hardware
Correct Answer : 1
Your Answer :
QuestionID : 11249   Subject Name Operating Syatems Concepts
Q35. Which of the following is not features of RISC architecture.
   1. A limited instruction set.
   2. A large number of registers.

3. Virtual memory
4. The large number of execution modes.
Correct Answer : 2
Your Answer :
QuestionID : 11250　　　Subject Name　Operating Syatems Concepts
Q36. single system image is obtained in case of Distributed system
Correct Answer : T
Your Answer :
QuestionID : 11251　　　Subject Name　Operating Syatems Concepts
Q37. Unix is a Multiuser,Multitasking,Multiprocessing Operating system.
Correct Answer : T
Your Answer :
QuestionID : 11252　　　Subject Name　Operating Syatems Concepts
Q38. Device Controller is a Hardware
Correct Answer : F
Your Answer :
QuestionID : 11262　　　Subject Name　Operating Syatems Concepts
Q39. Which schedular selects the process that is ready toexecute to CPU.
1. long term schedular
2. mid-term schedular
3. short-term schedular
4. any schedular does not do that task
Correct Answer : 3
Your Answer :
QuestionID : 11272　　　Subject Name　Operating Syatems Concepts
Q40. which of the following is false
1. deadlock state is unsafe
2. unsafe state may lead to deadlock situation
3. unsafe state must lead to deadlock situation
4. deadlock system is subset of unsafe system
Correct Answer : 3
Your Answer :
QuestionID : 11275　　　Subject Name　Operating Syatems Concepts
Q41. a demand paging system with page table held in registers takes 5 milli
sec to service a page fault, if an empty page is available,
or if page to be replaced is not dirty. It takes 50 milli sec if the replaced page
is dirty. memory access time is 1 micro sec,
assume we want an effective access time of 2 micro sec and that page to be
replaced is dirty 60% of time, what is the approximate
maximum acceptible page fault rate to meet this access time requirement
1. 0.1%

   2. 1.0%
   3. 2.5%
   4. 0.01%
Correct Answer : 4
Your Answer :
QuestionID : 11284   Subject Name Operating Syatems Concepts
Q42. The interval from the time of submission of a process to the time of completion is
   1. Turnaround time
   2. waiting time
   3. response time
   4. none of these
Correct Answer : 1
Your Answer :
QuestionID : 11285   Subject Name Operating Syatems Concepts
Q43. Locality of reference implies that the page reference being made by a process
   1. will always be to the page used in previous page refernce
   2. is likely to be one of the pages used in the last few page references
   3. will always be one of the pages existing in memory
   4. will always lead to a page fault
Correct Answer : 2
Your Answer :
QuestionID : 11295   Subject Name Operating Syatems Concepts
Q44. Suppose the following files are present in the current directory:
ashish arctan dac.doc dim.dwg document
fag fibonacci finder fog folder
sam si.c tarun zenith zombie
Which files would be listed by the following command?
Is [!0-9][!asd]*
   1. Display all the files whose first character is other than a digit and the second character is other than `a`, `s` or `d`
   2. Display all the files whose first character is other than a digit and the second character is other than `a`, `s`
   3. Display all the files
   4. None of the above
Correct Answer : 1
Your Answer :
QuestionID : 11296   Subject Name Operating Syatems Concepts
Q45. The signal the keyboard sends to the computer is a special kind of message called _____

1. Keyboard request
2. Keyboard controller
3. Interrupt controller
4. Interrupt request

Correct Answer : 4

Your Answer :

QuestionID : 11303   Subject Name Operating Syatems Concepts

Q46. b=

[-n $b]

echo $?

[-z $b]

echo $?

1. Will run fine
2. test : argument expected
3. error
4. none

Correct Answer : 2

Your Answer :

QuestionID : 11308   Subject Name Operating Syatems Concepts

Q47. A space allocated in units of fixed size is called block

Correct Answer : T

Your Answer :

QuestionID : 11310   Subject Name Operating Syatems Concepts

Q48. Circuit switching has two variants -connection oriented and connectionless

Correct Answer : F

Your Answer :

QuestionID : 11623   Subject Name Operating Syatems Concepts

Q49. It is possible to have a dead lock involving only a single process

Correct Answer : F

Your Answer :

QuestionID : 12261   Subject Name Operating Syatems Concepts

Q50. The _____ decodes an instruction and generates an electrical signal

1. Arithematic and logic unit
2. Main Memory
3. Bios
4. Control Unit

Correct Answer : 4

Your Answer :