**SunBeam Institute of Information Technology** CDCC
The Supercomputing People

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QuestionID : 11063        Subject Name  Operating Syatems Concepts
Q1. Tape is magnetic device.
   **Correct Answer : T**
   Your Answer :
QuestionID : 11070        Subject Name  Operating Syatems Concepts
Q2. During the process of loading the program, a _____ modifies the actual
instruction so that the effect of load address is taken into account
   1. resource locator
   2. loader
   3. relocating loader
   4. relocation register
   **Correct Answer : 4**
   Your Answer :
QuestionID : 11072        Subject Name  Operating Syatems Concepts
Q3. Relocation and address translation can be achieved with the help of paging
   **Correct Answer : T**
   Your Answer :
QuestionID : 11074        Subject Name  Operating Syatems Concepts
Q4. LAN covers radius of up to 10 KM
   **Correct Answer : F**
   Your Answer :
QuestionID : 11078        Subject Name  Operating Syatems Concepts
Q5. time sharing system uses round robin scheduling algorithmn.
   **Correct Answer : T**
   Your Answer :
QuestionID : 11084        Subject Name  Operating Syatems Concepts
Q6. If the scheduling policy is FCFS the average waiting time will be?
   1. 12.8 ms
   2. 8 ms
   3. 16 ms
   4. none of the above
   **Correct Answer : 1**

Your Answer :

QuestionID : 11090       Subject Name   Operating Syatems Concepts

Q7. Spatial locality refers to the problem that once a location is referenced

1. it will not be referenced again.
2. it will be referenced again.
3. A nearby location will be referenced soon.
4. none of the above.

**Correct Answer : 3**

Your Answer :

QuestionID : 11099       Subject Name   Operating Syatems Concepts

Q8. With a single resource deadlock occures

1. if there are more than two processes computing for that resource
2. if there are only than two processes computing for that resource
3. if there are a single process computing for that resource
4. None of the above

**Correct Answer : 4**

Your Answer :

QuestionID : 11106       Subject Name   Operating Syatems Concepts

Q9. NRU stands for NOT RECENTLY USED & LRU stands for LEAST RECENTLY USED

**Correct Answer : T**

Your Answer :

QuestionID : 11109       Subject Name   Operating Syatems Concepts

Q10. The following is a part of FAT.

1. Sector info.
2. Disk type
3. Modified info.
4. Date info.

**Correct Answer : 1**

Your Answer :

QuestionID : 11111       Subject Name   Operating Syatems Concepts

Q11. Time elapsed for position of Read / Write head under the desired sector is called?

1. Seek Time
2. Latency Time
3. Turnaround Time
4. None of above

**Correct Answer : 2**

Your Answer :

QuestionID : 11115       Subject Name   Operating Syatems Concepts

Q12.
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 : 11125        Subject Name  Operating Syatems Concepts
Q13. _____ 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 : 11126        Subject Name  Operating Syatems Concepts
Q14. Round-Robbin understands priority?
   **Correct Answer : F**
   Your Answer :
QuestionID : 11132        Subject Name  Operating Syatems Concepts
Q15. Critical region is
   1. a part of operating system which is not allowed to be accessed by any
process.
   2. a set of instructions that access common shared resource which exclude
one another in time.
   3. the portion of main memory which can be accessed only by one
process at a time.
   4. None of the above.
   **Correct Answer : 2**
   Your Answer :
QuestionID : 11133        Subject Name  Operating Syatems Concepts
Q16. Pipe is the mechanism whereby the output of one process is directed
into input of another process
   **Correct Answer : T**
   Your Answer :
QuestionID : 11136        Subject Name  Operating Syatems Concepts

Q17. Efficient operation of computer system and Convinience for user are the goals of operating system.

**Correct Answer : T**

Your Answer :

QuestionID : 11138　　Subject Name　Operating Syatems Concepts

Q18. Which of the following cpu schedulling algorithms will prevented stravation?

    1. shortest-job-first
    2. priority schedulling algorithm
    3. priority schedulling will againg mechanism
    4. none

**Correct Answer : 3**

Your Answer :

QuestionID : 11140　　Subject Name　Operating Syatems Concepts

Q19. The first-fit,best-fit,worst-fit algorithm can be used for

    1. Contiguous memory allocation
    2. Linked memory allocation
    3. Indexed memory allocation
    4. All of the above

**Correct Answer : 1**

Your Answer :

QuestionID : 11141　　Subject Name　Operating Syatems Concepts

Q20. 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 : 11145　　Subject Name　Operating Syatems Concepts

Q21. A file system uses the contiguous space allocation mechanism for disk allocation .For better utilization of disk space ,this file system must use

    1. A garbage collection mechanism
    2. A disk compaction mechanism
    3. A linked-block allocation mechanism
    4. An indexed-block allocation mechanism

**Correct Answer : 4**

Your Answer :

QuestionID : 11150　　Subject Name　Operating Syatems Concepts

Q22. If the C.P.U. scheduling Policy is priority scheduing without the pre-emption the average waiting time will be_____

1. 12.8 ms
2. 11.8 ms
3. 10.8 ms
4. none of the above
**Correct Answer : 3**
Your Answer :
QuestionID : 11153        Subject Name  Operating Syatems Concepts
Q23. A purpose of virtual memory system is to
   1. Allow multiprocessing
   2. Allow multiprogramming
   3. Allow batch processing
   4. Allow execution of program that larger memory than the size of the
physical main memory.
   **Correct Answer : 4**
   Your Answer :
QuestionID : 11157        Subject Name  Operating Syatems Concepts
Q24. At a perticular time of computation the value of counting semaphore
is 7. Then 20 `p` operation abd x `v` operation were completed on this
semaphore.
If the final value of the semaphore is 5, x will be...
   1. 15
   2. 22
   3. 18
   4. 13
   **Correct Answer : 3**
   Your Answer :
QuestionID : 11160        Subject Name  Operating Syatems Concepts
Q25. An OS is the interface between Hardware and user.
   **Correct Answer : T**
   Your Answer :
QuestionID : 11161        Subject Name  Operating Syatems Concepts
Q26. The main purpose(s)of an operating system is/are_____
   1. Convenience for the user.
   2. Efficient operation of the Computer system.
   3. Optimal use of Computer resources.
   4. All of the above
   **Correct Answer : 4**
   Your Answer :
QuestionID : 11167        Subject Name  Operating Syatems Concepts
Q27. 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 : 11171      Subject Name   Operating Syatems Concepts

Q28. Memory protection is of no use in a ...

1. single user system
2. non-multiprogramming system
3. non-multitasking system
4. none of above

**Correct Answer : 4**

Your Answer :

QuestionID : 11183      Subject Name   Operating Syatems Concepts

Q29. Cascading Termination refers to termination of all child processes before parent terminates

1. normally
2. abnormally
3. normally and abnormally
4. none of above

**Correct Answer : 4**

Your Answer :

QuestionID : 11186      Subject Name   Operating Syatems Concepts

Q30. 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 : 11187      Subject Name   Operating Syatems Concepts

Q31. `Aging` is

1. keeping track of cache contents
2. keeping track of what pages are currently residing in the memory
3. keeping track how many times the given page is refrenced
4. increasing the priority of jobs to ensure termination in a finite time

**Correct Answer : 4**

Your Answer :

QuestionID : 11190      Subject Name   Operating Syatems Concepts

Q32. Which of the following CPU scheduling algorithms will prevent starvation problem?
1. shortest job first
2. priority scheduling
3. priority scheduling with aging mechanism
4. none of the above
**Correct Answer : 3**
Your Answer :
QuestionID : 11197          Subject Name  Operating Syatems Concepts

Q33. If property of locality of reference is well pronounced in a program
1. number of page faults will be more.
2. number of page faults will be less and execution will be faster.
3. number of page faults will remain same.
4. none of the above.
**Correct Answer : 2**
Your Answer :
QuestionID : 11199          Subject Name  Operating Syatems Concepts

Q34. Which of the following is not a part of a process control block(PCB).
1. Values of a CPU registers
2. CPU Scheduling information
3. Memory limits of the process
4. List of files accessible to the proces.
**Correct Answer : 4**
Your Answer :
QuestionID : 11201          Subject Name  Operating Syatems Concepts

Q35. Following is not a IPC
1. semaphore
2. pipe
3. shared memory
4. Buffering
**Correct Answer : 1**
Your Answer :
QuestionID : 11218          Subject Name  Operating Syatems Concepts

Q36. In partitioned memory allocation scheme the _____
1. Best fit Algorithm is always better then the first fit algorithm.
2. First fit Algorithm is always better then the Best fit algorithm.
3. Superiority of the first fit & best fit depends
on the sequence of memory request .
4. none of the above.
**Correct Answer : 3**

Your Answer :

QuestionID : 11223        Subject Name  Operating Syatems Concepts

Q37. If there are 32 segments ,each of size 1 kbytes,then the logical address should have-----.

1. 13 bits
2. 14 bits
3. 15 bits
4. 16 bits

**Correct Answer : 3**

Your Answer :

QuestionID : 11224        Subject Name  Operating Syatems Concepts

Q38. Which of the following are RTOS ?

1. An on-line railway reservation system
2. A process control system.
3. Aircraft control system.
4. Payroll processing system.

**Correct Answer : 3**

Your Answer :

QuestionID : 11235        Subject Name  Operating Syatems Concepts

Q39. The Motivations Behind Networks are
1)Resource Sharing
2)Computation Speedup
3)Reliability
4)Communication

1. 1,2
2. 1,3
3. only 3
4. All the Above

**Correct Answer : 4**

Your Answer :

QuestionID : 11244        Subject Name  Operating Syatems Concepts

Q40. Round Robin is an example of timesharing scheduling policy.

**Correct Answer : T**

Your Answer :

QuestionID : 11261        Subject Name  Operating Syatems Concepts

Q41. In a paged memory the page hit ratio is 0.35.The time required to access a page in secondary memory is equal to 100ns.
the time required to access a page in primary memory is 10ns.The average time required to access a page is

1. 3.0ns
2. 68.0ns

    3. 68.5ns
    4. 78.5ns
**Correct Answer : 3**
Your Answer :
QuestionID : 11264     Subject Name  Operating Syatems Concepts
Q42. The problem of Thrashing may be reduced by _____
    1. using prepaging mechanism
    2. writing well structured programs
    3. both 1 & 2
    4. neither 1 & 2
**Correct Answer : 3**
Your Answer :
QuestionID : 11266     Subject Name  Operating Syatems Concepts
Q43. The problem of thrashing may be reduced by
    1. Using prepaging mechanism
    2. writing well structured program.
    3. Both 1 & 2
    4. Neither 1 & 2
**Correct Answer : 3**
Your Answer :
QuestionID : 11272     Subject Name  Operating Syatems Concepts
Q44. 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 : 11274     Subject Name  Operating Syatems Concepts
Q45. If filenames are supplied as arguments to a script rm"$@" would remove all files supplied as arguments.
**Correct Answer : T**
Your Answer :
QuestionID : 11277     Subject Name  Operating Syatems Concepts
Q46. Which of the Following operating Systems are not available for non-intel platforms
    1. Windows NT
    2. Solaris
    3. Linux
    4. All of the above
**Correct Answer : 2**

Your Answer :

QuestionID : 11284  Subject Name  Operating Syatems Concepts

Q47. 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

Q48. 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 : 11309  Subject Name  Operating Syatems Concepts

Q49. Single system image is obtained in case of ----
1. desktop
2. Distributed
3. network
4. none

**Correct Answer : 2**

Your Answer :

QuestionID : 11310  Subject Name  Operating Syatems Concepts

Q50. Circuit switching has two variants -connection oriented and connectionless

**Correct Answer : F**

Your Answer :