O. 1 Choose the Best Answer

a)	Accounting	in the services of operating system. b) Protection on d) Dead lock handling
_	In_OS, the response ti Multitasking nline	me is very critical. b) Batch d) Real-time
a) eve	ents as they occur ed for program developm	ent d) Used for real time interactive
4) to	When Interrupt occurs	s, control is immediately transferred
	Interrupt Vector terrupt Handler	b) Interrupt Request d) All of the above
a)	Services Provided by t Collect statistics ant request	
_	e computer facilitates i ernel	that directs the overall operation its use and interacts with the b) Shell d) All of the above
proc syste elem a) Ke	oprocessor to ensure the second operate of the second of the second operate operat	at manages the time of a hat all time critical events are possible. This software allows the ded into multiple independent b) Shell d) Device Driver
-	ne primary job of the op ommand Resources	b) Manage Resources

c) Provide Utilities	d) be user friendly
9) Super computers typical a) Real time Operating system c) Desktop OS	
10) The operating systema) Memoryc) Disk and I/O devices	
the CPU is calleda) Polling	b) Interrupt
12) OS pays more atte limits.	ntion on the meeting of the time
a) Distributedc) Real time13) The kernel of the oper	b) Network d) Online rating system remains in the primary
memory because	b) It manages all interrupt calls
among several jobs, which	ring the time of a computer switches jobs so rapidly such that he computer to itself, is called. b) Time out d) Multitasking
15) An operating system isa) Trap.c) an interrupt.	b) an instruction . d) none of the above.
a) groups. c) queues.	m, programs are submitted in b) batches. d) all of the above.
is a computer pr	ogram because o which higher-level

computer programs can in a) Device Driver b) CD-ROM c) Mother Board d) Registers	nteract with a hardware device.
18) The CPU is in monitor user application. a. True	mode when the control is given to the b. False
buffer storage directly to mintervention.	
a) Main memory accessc) Direct memory access	b) cache memory accessd) virtual memory access
1) Information about a pa) Stackc) Process Control Block	rocess is maintained in a b) Translation Lookaside Buffer d) Program Control Block
2) Inter process communaa) Mailsc) System calls	b) Messages d) Traps
3) Which of the following is (PCB)?	contained in Process Control Block
a) Process Number c) Memory Limits	b) List of Open files d) All of the Above
	b) It is a command interpreter d) It is a tool in CPU scheduling
5) Process State is stored ina) Process Control blockc) File Allocation Table	b) Inode
6) A program at the time ofa) Dynamic programc) Binded Program	executing is called b) Static program d) A Process

7) It is not the layer of the Operating system.

a) Kernelc) Application program	b) Shell d) Critical Section
	ter it encounters an I/O instruction is
a) Ready c) Idle	b) Blocked/Waiting d) Running
9) Which is not the state ofa) Wailingc) Ready	the process ? b) Running d) Privileged
10) The number of process	ses completed per unit time is known
asa) Output c) Efficiency	b) Throughput d) Capacity
_	another Process requires to save d loading new process state is
	b) Context Switch d) None of the above
	m, programs are submitted in
a) groups. c) queues.	b) batches. d) all of the above.
for a process to change state nterrupt must happen. a. True	e from Running to Ready state, an b. False
Which of the following is NO a) File management	T one of system calls types?
-	b) It is a command interpreter d) It is a tool in CPU scheduling
(a) to do inter process communication of shared memory efforts to do inter process communication do interpretable do interpret	ficiently Inication

d) none of above

When a child process is created, which of the following is a possibility in terms of the execution or address space of the child process?

- a) The child process runs concurrently with the parent.
- b) The child process has a new program loaded into it.
- c) The child is a duplicate of the parent.
- d) All of the above

In Priority Scheduling, a priority number (integer) is associated with each process. The CPU is allocated to the process with the highest priority (smallest integer = highest priority). The problem of, Starvation? Low priority processes may never execute is resolved by

- a) Terminating the process. b) Aging
- c) Mutual Exclusion d) Semaphore

2) With the round robin CPU scheduling in a time-shared system

- a) Using very large time slice degenerates in to first come first served algorithm
- b) Using extremely small time slices improve performance
- c) Using extremely small time slices degenerate in to last in first out algorithm
- d) Using medium sized time slices leads to shortest request time first algorithm

3) Which of the following is a criterion to evaluate a scheduling algorithm?

- a) CPU Utilization: Keep CPU utilization as high as possible.
- b) Throughput: number of processes completed per unit time.
- c) Waiting Time: Amount of time spent ready to run but not running.
- d) All of the above

4) A binary semaphore

- a) has the values one or zero b) is essential to binary computers
- c) is used only for synchronization (d) is used only for mutual exclusion

5) A process said to be in_state if it was waiting for an event that

will never occur. a) Safe c) Starvation	b) Unsafe d) Dead lock
6) A thread is aprocessa) Heavy Weightc) Inter Thread	b) Mutliprocess d) Light weight
7) A major problem with per a) Definite blocking c) Low priority	riority scheduling is b) Starvation d) none of the above
	Operating system. b) Shell d) Critical Section
 9) Mutual exclusion a) if one process is in a crit b) prevents deadlock c) requires semaphores to d) is found only in the Wine 	
a) Which scheduler contb) Short term schedulerc) Middle term scheduler	
ordering of all resource t	k prevention methods, impose a total types, and require that each process ncreasing order of enumeration. This n of deadlock b) Hold and Wait d) No Preemption
and run it with high priority	m is fair on b) if a process is starved, detect it only if a queue is used for scheduling
13) Semaphore can be usa) Wait & signalc) Synchronization	ed for solving b) Deadlock d) Priority
14) Round robin scheduling version of	ng is essentially the preemptive b) Shortest job first
a) IIIO	טן אווטונכאנ זטט ווואנ

c) Shortest remaining	d) Longest time first				
	minimize response time, and rs as possible is considered as: b) Efficiency d) All of the above				
and P1 processes the follow; signal(S);signal(Q) and	I(S); respectively. The above				
, -	,				
17) The solution to Critica Exclusion, Progress and Bo	l Section Problem is : Mutual				
a) The statement is false					
c) The statement is contradicted					
18) The number of processes completed per unit time is known as					
a) Output	b) Throughput				
c) Efficiency	d) Capacity				
19) Which technique was introduced because a single job could not keep both the CPU and the I/O devices busy?					
a) Time-sharing	b) Spooling				
c) Preemptive scheduling	d) Multiprogramming				
20) FCFS scheduling is	_•				
a) Preemptive Scheduling					
c) Deadline Scheduling	d) Fair share scheduling				
21) is a high level abstr	-				
a) Shared memory	b) Message passingd) Mutual exclusion				
c) Monitor	מן ויוענעמו פאנועטוטוו				
22) Terminating a process or more is used to recover from a					
deadlock. a. True	b. False				
	DI I GIGC				

23) The machine on which the virtual machine is going to create is known as and that virtual machine is referred as a a) Guest Machine b) Host Machine
24) Which one of the following is a kind of technique that allows sharing the single physical instance of an application or the resources among multiple organizations/customers? a) Virtualization b) Service-Oriented Architecture c) Grid Computing d) Utility Computing
 25) Which one of the following statements is true about Virtualization? a) It provides a logical name for a physical resource, and on-demand provides an indicator of that physical resource. b) In Virtualization, we analyze the strategy related problems that customers may face. c) In Virtualization, it is necessary to compile the Multitenant properly. d) All of the above
26) Which of the following behaves like the monitor's entry point and reroutes the instructions of the virtual machine? a) Dispatcher b) Allocator c) Interpreter d) Both A and B
 27) To avoid Hold and Wait, a) A process must be not be holding a resource, but waiting for one to be freed, and then request to acquire it b) the system must ensure that a process that request for a resource does not hold on to another c) A process must hold at least one resource and not be waiting to acquire additional resources d) None of the mentioned

28) When a child process is created, which of the following is a possibility in terms of the execution or address space of the

child process?

- a) The child process runs concurrently with the parent.
- b) The child process has a new program loaded into it.
- c) The child is a duplicate of the parent.
- d) All of the above
- 29) The technique, for sharing the time of a computer among several jobs, which switches jobs so rapidly such that each job appears to have the computer to itself, is called_.
- a) Time Sharing

b) Time out

c) Time domain

d) Multitasking