

Operating System [BCA-301]

S.No.	Question	A	B	C	D	Ans
1	The _____ swaps processes in and out of the memory.	Memory Manager	CPU	CPU Manager	User	A
2	The address generated by the CPU is referred to as _____	Physical Address	Logical Address	Neither Physical nor Logical	None of the mentioned	B
3	Swapping requires a _____	motherboard	keyboard	monitor	backing store	D
4	Run time mapping from virtual to physical address is done by _____	Memory management unit	CPU	PCI	None of the mentioned	A
5	Operating System maintains the page table for _____	each process	each thread	each instruction	each address	A
6	What is operating system?	collection of programs that manages hardware	system service provider to the	link to interface the hardware and	all of the mentioned	D
7	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:	blocked state	ready state	suspended state	terminated state	B
8	In virtual memory, which is not a page replacement algorithm ?	FIFO	BFS	LRU	Optimal	B
9	Thrashing _____ the CPU utilization.	increases	keep constant	decreases	None of the mentioned	C
10	Mutual exclusion can be provided by the _____	mutex locks	binary semaphores	both mutex locks and binary semaphores	none of the mentioned	C
11	A parent process calling _____ system call will be suspended until children processes terminate.	wait	fork	exit	exec	A
12	The child process completes execution, but the parent keeps executing, then the child process is known as	Orphan	Zombie	Body	Dead	B
13	When the process issues an I/O request _____	It is placed in an I/O queue	It is placed in a waiting queue	It is placed in the ready queue	It is placed in the Job queue	A
14	The number of processes completed per unit time is known as _____	Output	Throughput	Efficiency	Capacity	B

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15	If deadlocks occur frequently, the detection algorithm must be invoked _____	rarely	frequently	rarely & frequently	none of the mentioned	B
16	Which one of the following is the deadlock avoidance algorithm?	banker's algorithm	elevator algorithm	karn's algorithm	none of the mentioned	A
17	File type can be represented by _____	file name	file extension	file identifier	none of the mentioned	B
18	Which of the following are the two parts of the file name?	name & identifier	identifier & type	extension & name	type & extension	C
19	Which of the following are forms of malicious attack?	Theft of information	Modification of data	Wiping of information	All of the mentioned	D
20	From the following, which is not a common file permission?	Write	Execute	Stop	Read	C
21	The address loaded into the memory address register of the memory is referred to as _____	Physical Address	Logical Address	Neither Physical nor Logical	None of the mentioned	A
22	The backing store is generally a _____	fast disk	disk large enough to accommodate copies of all memory images for all users	disk to provide direct access to the memory images	all of the mentioned	D
23	Memory management technique in which system stores and retrieves data from secondary storage for use in main memory is called?	fragmentation	paging	mapping	None of the mentioned	B
24	A Process Control Block(PCB) does not contain which of the following?	Code	Stack	Bootstrap Program	Data	C
25	Which of the following condition(s) is/are required for a deadlock to be possible?	mutual exclusion	a process may hold allocated resources while awaiting	no resource can be forcibly removed from a process	All of the mentioned	D
26	To avoid deadlock _____	there must be a fixed number of resources to allocate	resource allocation must be done only once	all deadlocked processes must be aborted	inversion technique can be used	A
27	What is the mounting of file system?	creating of a filesystem	deleting a filesystem	attaching portion of the file system into a directory	removing the portion of the file system into a directory structure	C

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28	Data cannot be written to secondary storage unless written within a _____	file	swap space	directory	text format	A
29	The larger the block size, the _____ the internal fragmentation.	greater	lesser	same	none of the mentioned	A
30	With a shared file _____	actual file exists	there are two copies of the file	the changes made by one person are not reflected to the	the changes made by one person are reflected to the other	D

Subjective Questions - Operating System [BCA-301]

31	List the different types of Operating systems.
32	Define MAC Address (with example).
33	Explain IP Address (with example).
34	Define Deadlock.
35	What do you understand by "Virtual Memory"?

