

Sample Questions

class:syys

sub: Operating system

sem:3

sr	Question	A	b	c	D	Answer
1	An _____ system is a program that acts as an interface between the software and the computer hardware.	Cooperating	Operating	Programming	Computer	Operating
2	A thread is also called	Light Weight Process(LWP)	Heavy Weight Process(HWP)	Process	Program	Light Weight Process(LWP)
3	A process can be	single threaded	multithreaded	both single and multithreaded	none of the above	both single and multithreaded
4	A process having multiple threads of control implies _____	it can do more than one task at a time	it can do only one task at a time, but much faster	it has to use only one thread per process	none of the mentioned	it can do more than one task at a time
5	A Process Control Block(PCB) does not contain which of the following?	Code	stack	Bootstrap program	Data	Bootstrap program
6	A _____ is a program in execution.	Process	Thread	Application	Software	Process
7	Kernel Threads	cannot be supported and managed directly by the operating system	can be supported and managed directly by the operating system	are supported below the kernel and are managed without kernel support	None of the above	cannot be supported and managed directly by the operating system
8	In a pure Kernel Level Thread facility all of work of thread management is done by the	Application	Program	Kernel	Threads	Kernel

9	Event for which a thread block occurs the thread is moved to the ready	Buffer	Memory	Registers	Queue	Queue
10	Which of the following two operations are provided by the IPC facility?	write & delete message	delete & receive message	send & delete message	receive & send message	receive & send message
11	Each node in clustered system of the computer system monitors	itself	One other node	neighboring node	One or more nodes	One or more nodes
12	Main Memory refers to a _____ memory that is the internal memory to the computer	virtual	physical	short	flash	physical
13	_____ occurs in a dynamic memory allocation system when most of the free blocks are too small to satisfy any request.	Fragmentation	Detection	Looping	Swapping	Detection
14	A _____ Table is the data structure used by a virtual memory system	Page	Track	Sector	Partition	Track
15	A Page Table is to store the mapping between _____ address and physical addresses.	main	external	internal	virtual	virtual
16	Logical address have _____ parts	1	2	3	4	4
17	The mapping from virtual address to physical address must be	fast	slow	very slow	very fast	slow
18	The mapping from virtual address to physical address must be	fast	slow	very slow	very fast	fast

19	What is the Optimal page – replacement algorithm?	Replace the page that has not been used for a long time	Replace the page that has been used for a long time	Replace the page that will not be used for a long time	None of the mentioned	Replace the page that will not be used for a long time
20	Virtual memory is normally implemented by _____	demand paging	buses	virtualization	all of the mentioned	demand paging
21	The instruction being executed, must be in _____	physical memory	logical memory	physical & logical memory	none of the mentioned	physical memory
22	The difference between allocated and required memory is known as _____	External fragmentation	Internal fragmentation	Overall Fragmentation	General Fragmentation	Internal fragmentation
23	What is FIFO algorithm?	first executes the job that came in last in the queue	first executes the job that came in first in the queue	first executes the job that needs minimal processor	first executes the job that has maximum processor needs	first executes the job that came in first in the queue
24	Which one of the following can not be scheduled by the kernel?	kernel level thread	user level thread	process	none of the mentioned	user level thread
25	Bounded waiting implies that there exists a bound on the number of times a process is allowed to enter its critical section _____	after a process has made a request to enter its critical section and before the request is granted	when another process is in its critical section	before a process has made a request to enter its critical section	none of the mentioned	after a process has made a request to enter its critical section and before the request is granted