

Scheme	R2012
Semester	8
Course Code	CPC803
Course Name	Parallel and Distributed Systems

Question No.	Question	a	b	c	d
1	What is not true about parallel computing	A problem is broken in to discrete parts that can be solved concurrently	Each part is further broken down to a series of instructions	Instructions from each part execute simultaneously on different processor	hardware limitation on the transmission speed
2	Increasing the speedup for parallel processor which law is suitable	Amdhals law	Flynns law	Minsky conjecture	Moore's Law
3	Which type of parallelism makes use of multiple processing elements simultaneously for solving any problem.	Parallel Computing	Cloud computing	Grid computing	Network computing
4	Which of the following is not a pipeline stage	Operand fetch	Execute	Pipeline Flush	Memory access
5	The process which blocks pipeline stage from accepting and processing new data is called	Pipeline pre-processing	Pipeline Flush	Pipeline Interlock	Pipeline lag
6	In which pipeline ,the data between adjacent stages is controlled by handshaking protocol.	Blocking pipeline	Non-blocking pipeline	Asynchronous pipeline	Synchronous pipeline
7	Computation of data is done in which component of SIMD	Local Memory	Front end Controllers	Processing element	Processor array
8	If Task size is known,then the mapping is called	Static Mapping	Dynamic Mapping	Array Mapping	Processor Mapping
9	Characteristics of distributed system that allows variety of devices to be part of it is also called	Heterogeneity	Openness	Scalability	Security
10	The _____ operating system is specifically designed for heterogeneous multicomputer system, where multiple hardware and network platforms are supported.	distributed	network	middleware	hybrid
11	Which issue of distributed system should be perceived as the single entity by the users or the application programmers rather than the collection of autonomous system is cooperating	Openness	Scalability	Security	Transparency
12	In RPC , while a server is processing the call, the client is blocked	Unless the client sends an asynchronous request to the server	Unless the call processing is complete	For the complete duration of the connection	Unless the server is disconnected
13	The remote method invocation _____	Allows a process to invoke memory on a remote object	Allows a thread to invoke a method on a remote object	Allows a thread to invoke memory on a remote object	allows a process to invoke a method on a remote object
14	What is not true about Persistent Communication	Message submitted for transmission is stored by communication system for as long as it takes to deliver it to receiver	Not necessary for receiver to be executing at the time message submission	Not necessary for sender to continue execution after submitting a message	Sender and receiver has to be active simultaneously
15	In _____ all the processes submitted by the users are distributed among the nodes of the system so as to equalize the workload among the nodes	Load Sharing	Load Balancing	Task Assignment	Data Parallelism
16	Having a single CPU and being able to pretend that there are more can be extended to other resources as well and is known as _____.	Resource management	Resource virtualization	Resource sharing	Resource distribution
17	Migrating some resources, Suspending the execution, migrating the process and	post Freezing	Pre Transferring	On demand Exchange	Code migration
18	In distributed systems, a logical clock is associated with	each instruction	each process	each register	none of the mentioned
19	_____ is token based algorithm	Richart Agrawala	Maekawa	Lamport's	Raymond Tree

20	The time interval between critical region (CR) exit & new entry by any process is	System throughput	Message complexity	Synchronization delay	Response time
21	Election algorithms assumes that _____ in distributed system	a unique priority number	there is no priority	priority of the processes	Based on IP address
22	As per lamports clock synchronisation algorithm, If timestamps of two events are	concurrent	non concurrent	monotonic	non monotonic
23	Identify the distributed file system among the options.	Andrew file system	EXT	FAT32	FAT
24	_____ Files are the files which are read only.	. Mutable	Immutable	Setup	Recursive
25	The security of distributed system can be achieved in terms of various security	Authentication	Authorization	Confidentiality	Denial Service