

Program: BE INFORMATION TECHNOLOGY

Curriculum Scheme: Revised 2012

Examination: Third Year Semester VI

Course Code: TEITC602 and Course Name: DISTRIBUTED SYSTEMS

Time: 1-hour

Max. Marks: 50

Note to the students: - All the Questions are compulsory and carry equal marks.

Q1.	In distributed system, each processor has its own _____
Option A:	local memory
Option B:	clock
Option C:	both local memory and clock
Option D:	none of the mentioned
Q2.	If one site fails in distributed system then _____
Option A:	the remaining sites can continue operating
Option B:	all the sites will stop working
Option C:	directly connected sites will stop working
Option D:	none of the mentioned
Q3.	Internet provides _____ for remote login.
Option A:	telnet
Option B:	ftp
Option C:	http
Option D:	rpc
Q4.	Remote Procedure Calls are used _____
Option A:	for communication between two processes remotely different from each other on the same system
Option B:	for communication between two processes on the same system
Option C:	for communication between two processes on separate systems
Option D:	none of the mentioned
Q5.	The method that registers a Java Object in RMI registry is _____
Option A:	Naming.Rebind
Option B:	Naming.lookup
Option C:	Naming.bind
Option D:	Both A and C
Q6.	The transparency that enables multiple instances of resources to be used is called
Option A:	Replication Transparency
Option B:	Scaling Transparency
Option C:	Concurrency Transparency

Option D:	Performance Transparency
Q7.	A paradigm of multiple autonomous computers, having a private memory, communicating through a computer network is known as _____
Option A:	Cloud Computing
Option B:	Distributed Computing
Option C:	Centralized Computing
Option D:	Parallel Computing
Q8.	The type of architecture that is considered responsible for the success of application servers is said to be _____
Option A:	Two – Tier Architecture
Option B:	Three – Tier Architecture
Option C:	N – Tier Architecture
Option D:	Peer to Peer Architecture
Q9.	RPC connectors and message queues are mechanisms for _____
Option A:	Message Retrieving
Option B:	Message Passing
Option C:	Message Delivering
Option D:	Message Synching
Q10.	A CORBA request may be sent using:
Option A:	A Skeleton
Option B:	The DSI
Option C:	The DII
Option D:	All of the above
Q11.	When using the DII, CORBA clients will normally obtain information about the servers interface from the _____
Option A:	An object adapter
Option B:	The ORB
Option C:	A skeleton or the DSI
Option D:	All of the above
Q12.	If timestamps of two events are same, then the events are _____
Option A:	Concurrent
Option B:	Non concurrent
Option C:	Monotonic
Option D:	Non monotonic
Q13.	A process can enter into its critical section _____
Option A:	Anytime
Option B:	when it receives a reply message from its parent process
Option C:	when it receives a reply message from all other processes in the system
Option D:	none of the mentioned

Q14.	In distributed systems, what will the transaction coordinator do?
Option A:	starts the execution of transaction
Option B:	breaks the transaction into number of sub transactions
Option C:	coordinates the termination of the transaction
Option D:	all of the mentioned
Q15.	A message whose size is more than Maximum Transfer Unit (MTU) is ____
Option A:	Destroyed
Option B:	Fragmented
Option C:	Forwarded
Option D:	Blocked
Q16.	Stubs are generated using ____ Compilers
Option A:	Java
Option B:	IDL
Option C:	C
Option D:	Python
Q17.	In case of failure, a new transaction coordinator can be elected by _____
Option A:	Bully Algorithm
Option B:	Ring Algorithm
Option C:	Both Bully and Ring Algorithm
Option D:	None of the mentioned
Q18.	Which of the following is true about Entity Bean
Option A:	This type of bean stores data of a particular user for a single session.
Option B:	It is invoked by EJB container when it receives a message from queue.
Option C:	This bean represents persistent storage
Option D:	None of the above.
Q19.	Which of the following is correct about Default Interceptor in EJB?
Option A:	Such interceptor is invoked for every method of the bean.
Option B:	Such interceptor is invoked for particular method of the bean.
Option C:	Such interceptor is invoked for every bean within deployment.
Option D:	None of the above.
Q20.	A remote stateless session bean requires annotations:-
Option A:	@Remote
Option B:	@Stateless
Option C:	All of the mentioned
Option D:	None of the mentioned
Q21.	Which of the following is a repeatable task within a business process?
Option A:	Service

Option B:	Bus
Option C:	Method
Option D:	All of the mentioned
Q22.	Which of the following is commonly used to describe the service interface, how to bind information, and the nature of the component's service or endpoint?
Option A:	WSDL
Option B:	SCDL
Option C:	XML
Option D:	None of the mentioned
Q23.	To declare a JNDI object reference in the Spring IoC container.
Option A:	JndiObjectFactory
Option B:	JndiObjectFactoryBean
Option C:	JndiObject
Option D:	JndiFactoryBean
Q24.	Which of the following in RMI Manages connection?
Option A:	RRL
Option B:	Stub/Skeleton layer
Option C:	Transport Layer
Option D:	Networking Layer
Q25.	Null Buffer is suitable for _____ communication only
Option A:	Only Synchronous
Option B:	Only Asynchronous
Option C:	Both A and B
Option D:	Neither A nor B