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 Started on
 Tuesday, June 18, 2019, 9:27 PM

 State
 Finished

 Completed on
 Tuesday, June 18, 2019, 10:37 PM

 Time taken
 1 hour 9 mins

 Points
 25.00/25.00

 Grade
 100.00 out of 100.00

Question 1

Correct

1.00 points out of 1.00

In the context of distributed multimedia systems, in order to specify the resource requirements of software components that process multimedia data, a test framework is usually required that will evaluate the resource utilization of a running component.

Select one:

- True
- False

Question 2

Correct

1.00 points out of 1.00

In the context of web services, comparing with the asynchronous messages by SOAP, it is more appropriate to use request reply communication protocol over the Internet as request reply protocol reduces the closer coupling between client and server that occurs with SOAP.

Select one:

- True
- False

Question ${f 3}$

Correct

In the context of mobile and ubiquitous computing, in-network processing for wireless sensor network can prevent unnecessary communication that is

1.00 points out of 1.00	a significant drain on power.
	Select one:
	True ✓
	○ False
Question 4	
Correct	In the context of mobile and ubiquitous computing, a volatile system is one
1.00 points out of 1.00	in which certain types of change are exceptional rather than the rule (common).
	Select one:
	○ True
	● False
Question 5 Correct	In the context of web services, centralized coordination approaches include
1.00 points out	a particular server that plays the role of coordinator and web services
of 1.00	require coordination would send their coordination messages to the coordinator.
	Select one:
	True ✓
	O False
Question 6	
Correct	In the context of distributed multimedia systems, traffic shaping (i.e.,
1.00 points out of 1.00	buffering at the destination, more specifically) technique is used for interactive applications such as Internet phone and video conferencing.
	Select one:
	True
	● False
. 7	
Question 7	In the context of system models and internetworking, a peer-to-peer system

could use replication to ensure the data integrity; and use hash checking to

of 1.00	ensure the data availability.
	Select one:
	O True
	False ✓
Question 8	In the context of distributed multimedia systems, rarest-first download
1.00 points out of 1.00	policy refers to that in a peer-to-peer system such as BitTorrent, each peer maintains a record of the number of copies of each piece in its peer set (the set of connected peers) and, based on this data structure, schedules downloads by randomly selecting a piece from its rarest piece set.
	Select one: True ✓
	O False
Question 9	In the context of web services, digital signatures are used to ensure that the
Correct 1.00 points out of 1.00	information content has not changed since the document was digitally signed.
	Select one:
	True ✓
	False
10	
Question 10	In the context of inter-process communication, an overlay network is a
Correct 1.00 points out	computer network that is built on top of another network.
of 1.00	Select one:
	True
	O False

1.00 points out

application source and an application destination with a goal to provide a divan comentice for maccade delivery

of 1.00	giveit settiatities tot tilessage delivery.
	Select one:
	True
	● False
Question 12	
Correct	In the context of mobile and ubiquitous computing, a <i>smart space</i> offers a further indirect communication service by supporting a model where
1.00 points out	processes can place arbitrary items of structured data in a persistent space,
of 1.00	and others can read and remove from that space by specifying patterns of interests.
	Select one:
	True
	False ✓
40	
Question 13	In the context of distributed multimedia systems, media synchronization
1.00 points out	refers to that certain streams are closely coupled, e.g., the audio that accompanies a video stream. They should be synchronized using
of 1.00	timestamps embedded in the media data.
	Select one:
	True ✓
	O False
Question 14	In the context of distributed objects and components, it is generally more
Correct	In the context of distributed objects and components, it is generally more complex for a programmer to deal with an exception than an ordinary return
1.00 points out of 1.00	because exceptions break the normal flow of control.
	Select one:
	True
	False
1.5	
Question 15	In the context of mobile and ubiquitous computing, improving upon the

Correct 1.00 points out of 1.00	"pull" model of service discovery by multicasting (or broadcasting) and caching replies to queries may incur extra costs.
01 1.00	Colook area
	Select one:
	True ✓
	False
Question 16	
Correct	In the context of operating system support, the sender of remote invocation
1.00 points out	is not delayed if it uses synchronous message passing.
of 1.00	Select one:
	○ True
	False ✓
Question 17	
Correct	In the context of mobile and ubiquitous computing, users change their
1.00 points out of 1.00	(pseudonymous) identifiers in the mix zone, and the mix zone does not prevent correlations between the identifiers used by a particular individual.
	Select one:
	True
	False ✓
Question 18	In the context of networking, virtual circuit network protocol is not widely
Correct	used in place of IP of the current Internet due to its overhead of registering
1.00 points out of 1.00	circuits.
	Select one:
	True ✓
	False
Question 19	In the context of distributed objects and components, container-based

Correct

1.00 points out

In the context of distributed objects and components, container-based approach could be adopted to provide migration transparency by having container to operate intercepting on incoming invocations and making a

series of calls to implement the desired level of transparency before optionally passing on the invocation to the component.

Select one:

True

False

Question 20

Correct

1.00 points out of 1.00

In the context of distributed objects and components, a oneway operation can have out or inout parameters, but it may not raise an exception because there are reply messages.

Select one:

True

False

Question 21

Correct

1.00 points out of 1.00

In the context of web services, TLS provides secure transmission of information, whereas XML security applies the security measures to documents to be exchanged and stored.

Select one:

True

False

Question 22

Correct

1.00 points out of 1.00

In the context of distributed systems, a hierarchic naming scheme usually scales worse than a naming scheme that uses linear structures.

Select one:

True

False

Question 23

Correct

1.00 points out

In the context of distributed objects and components, generally, if a method has void return value, has no out or inout parameters, and has no user-defined exceptions, it could be regarded as a oneway method.

OT 1.00	
	Select one:
	True ✓
	False
Question 24	In the context of web services, DNS is used to convert the domain name
Correct	into the internet address of a server. The client request is sent to that
1.00 points out of 1.00	location where the server dispatcher selects an operation to be performed.
	Select one:
	True ✓
	False
Question 25	In the context of mobile and ubiquitous computing, in a data-oriented
Correct	programming system such as the Web, the methods in the interface
1.00 points out	between components are always the same, the data passed through those
of 1.00	methods and the semantics of the processing that is applied to that data are
	allowed to vary.
	Select one:
	True ✓
	·

False