2	0 00
CIO#2	10 marks
1. Write "TRUE" for correct statements and "FALSE	T/F
Statement	~
XML allows data to be stored in either elements or attributes	X
XML allows data to be stored in class XML Schema focuses on structure, element and attribute definition—data typing is limited to text (Based on SGML syntax)	X
A business or company can register two types of information into a UDDI registry, yellow and green pages.	1
SOAP Fault must appear as a child element of the Body The SOAP Envelop is the area of the SOAP message, where the application specific XML data (payload) being exchanged in the message is placed	X
SOAP message must contain a DTD or Processing Instructions Mest	X
REST is a standard or protocol, REST is not an architectural style	
REST is based on existing web (WWW, HTTP) principles and protocols	V
ESTful web services inherits security measures from the underlying transport	V
he types in WSDL are used to specify the contents of the messages that will be changed as part of the interactions with the Web service	V

2. Select the correct answer for the following questions:

[10 marks

- 1. Contain general info about a specific company
- A) Yellow Pages
- B) Green Pages
- C) White Pages D) Red Pages

- 2. Services provided by an organization is referral to as:
- (A) Business Service
- B) Business Entity
- C) Binding Template
- D) tModel

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A) Firewall B) Friendliness C) Use of open standards D Statelessness 5. Decomposition of system functionality into client, server and intermediary is:	4. tModBinding Template only provides info about A) Where to access a specific web service B) Where to access the SOAP binding C) How to interface with SOAP binding D) A single Web service 6. A SOAP message may carry
A) Client-server paradigm B) Uniform interface C) Stateless D) Layered system	A) Both application-specific data and a fault B) Either application-specific data or a fault C) The information that is exchanged with a Web service D) None of the above
A) Both GET and HEAD to be safe B) Only GET to be safe C) Only HEAD to be safe D) Neither GET nor HEAD are safe	8. The goal of REST is to achieve A) The same scalability and simplicity B) Only scalability C) Only simplicity D) None of the above
9. One of the architectural constraints is a client request contains all information necessary for the server to understand the request, which is: A) Client-server paradigm B) Stateless C) Cacheable D) Code on demand	A) Both request and response are SOAP messa B) The request is not a SOAP message but the response is a SOAP message C) The request is a SOAP message but the response is not a SOAP message D) None of the above

QUESTION 2: CLO# 3, CLO# 4

[10 mar

Complete the following ten statements by the words from the following list:

-	I was en assigne	code on demand	business entity	
SOAP	WS-Transactions		business service	envelope
WSDL	WS-Coordination	uniform interface	Dusiness service	6
			binding template	
	behaviors	serialization conventional middleware	TORES TO THE REAL PROPERTY OF THE PERSON OF	tModel
	September 1997			HAIOGEI
REST	activities	Conventional	Total Control of the	
	Charles and the control of the contr			

- 1. The main goal of WS-Coordination... is to serve as a generic platform for implementing advanced transaction models.
- 2. REST defines architectural constraints that a system architectural comply with to obtain scalability.

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wile system. It means the dynamic
3. Code on demand is an optional constraint for a REST-style system. It means the dynamic download and execution of code on the client.
download and execution of code on the client.
3. Cool on of moved is an option of code on the client. download and execution of code on the client. 4. The coordinator defined by WS-Coordination is described using
 5. WS-Coordination encompasses a set of
6. WS-Coordination is an attempt at standardizing the use of
is resource oriented. Resources (pieces of information)
URIs and passed from server to client (or the other way round). 8. business
8. busines of the element includes into about the description, contact info such as address, phone, contact person, etc.
description, contact info such as address, phone, each of the service, conditional information on how to use the service, conditions for about the service, typically additional technical information on how to use the service, conditions for about the service, typically additional technical information on how to use the service.
use, guarantees, etc.
10. The SOAP Section to has the mannesper that the "harmony" "http://www.w3.org/2001/06/soap-encoding"
CLO# 5, CLO# 6 [10 ma
OUESTION (DTD)? [1 mark]
DIDS what elements and attributes are very
DTD focuses on structure, element and attribute dem
text 2. Define an operation in WSDL file? [1 mark]
An operation is a set of messages and faults. The sequencing and number of
messages in the operation is determined by the message exchange pattern
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plain the difference be	tween SAX and DOM. 12		
SAX:	SAX and DOM. 12 m	arks	
	a collaboratively developed		
	interface for XML parsing		1
	***************************************		1
DOM:	P		1
by W3C that allow	rm and language neutral interf ws programs and scripts	*****	1
	date the content, structure, a	nd style of	1
documents	1111111111111111	***************************************	
4. Explain what we mean by	XML Decoupling?		
POVERENCE AND ADDRESS OF THE PARTY OF THE PA	***************************************		
No presentation	n format is assumed	***************************************	
No built in data	a typing is provided.		
No transport is	assumed.	***************************************	27
***************************************	***************************************	*****	
	***************************************	**********************************	0.00
5. What is Went a			
And wha	t are the main elements in WS	SDL file? [2 marks]	
WSDL is an XML-based	d language used to define We	b Services and	44
describe how to access	s them.		
Abstract Description		n, port type	
		port type	

			4.0
6. List the 4 items in "fault re	ference component" in WS	DL file, and explain one of them.	
		[2	m
• a name			
_	the message to which the fa		
• direction: whether • message: the actu	the fault is inbound or outbou		
·····			

	End of the exami	nation's paper	
	Good Lu	ck!	
	3-13/30		
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