Seat N	lo.: _	Enrolment No GUJARAT TECHNOLOGICAL UNIVERSIT	
C-1.	4 -	M.E –II <sup>st</sup> SEMESTER–EXAMINATION – JULY- 2012	
•			6/07/2012
_		Name: Service Oriented Architecture	N. 1
			Marks: 70
Instr			
2.	Mal	empt all questions. ke suitable assumptions wherever necessary. ares to the right indicate full marks.	
3.	rigi	ires to the right indicate run marks.	
Q.1	(a)	Answer the following questions.	
	, ,	1. Write a brief note on Model Driven Architecture.	02
		2. Write a note on Distributed Computing.	03
		3. How XML has contributed to the evolution of SOA?	03
		4. List and briefly explain key principles of SOA.	03
		5. Write a note on BPEL.	03
<b>Q.2</b>		Explain definition, architecture and standards for Web services.	07
	<b>(b)</b>	Explain Orchestration with a suitable example of web services. <b>OR</b>	07
	<b>(b)</b>	Discuss WS-notification framework using WS-Base Notification, WS-Topics and WS-BrokeredNotification.	S- 07
Q.3	(a)	Describe SOAP request and response model with an example.	07
<b>C</b>	<b>(b)</b>	Write a difference between J2EE and .NET architecture in detail. OR	07
Q.3	(a)	Describe steps of Web service implementation using SOAP, WSD and UDDI.	L 07
	<b>(b)</b>	How WS-security can be implemented using XML-Signature, XMI encryption and SAML?	L- 07
Q.4	(a)	Write a note on Service life cycle.	07
<b>~</b> ··	(b)	Explain WSDL structure.	07
	` '	OR	
<b>Q.4</b>	(a)	Explain Service Execution in detail.	07
<b>Q.4</b>	<b>(b)</b>	Answer the following questions.	
		1. Compare Service-orientation and Object-orientation.	04
		2. Write a note on Web service Choreography	03
Q.5	(a)	Discuss limitation of SOAP, WSDL and UDDI.	07
	<b>(b)</b>	Explain RPC (Remote Procedure Call) with a suitable example.	07
		OR	
Q.5	(a)	Answer the following questions.	

	1. Differentiate between Integration and Interoperation.	04
	2. Explain in brief Atomic Transactions.	03
<b>(b</b> )	Answer the following questions.	
	1. Explain WS- Reliable Messaging with example.	04
	2. Give an example of WS-Eventing.	03
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