Sul Sul Tir	bject me: 0 tructio	GUJARAT TECHNOLOGICAL UNIVERSITYM. E SEMESTER – II • EXAMINATION – WINTER • 2014code: 1722301Date: 02-12-2014Name: Service Oriented Architecture2:30 pm - 05:00 pmTotal Marks: 70	_
	2.	Attempt an questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	 Answer the following questions. 1. Differentiate between Integration and Interoperation. 2. Write a note on BPEL. 3. What is the role of XML in the evolution of SOA? 4. Write in brief: Model Driven Architecture. 	04 04 03 03
Q.2	(a)	Discuss WS-notification framework using WS-Base Notification, WS-Topics	07
	(b)	and WS-Brokered Notification. How Service Orchestration works? Explain with a suitable example. OR	07
	(b)	Discuss SOA standards stack and key principles of SOA.	07
Q.3	(a) (b)	Describe steps of Web service implementation using SOAP, WSDL and UDDI. Compare J2EE and .NET architecture and their development features in detail.	07 07
Q.3	(a) (b)	Explain WSDL structure. Design WSDL for one web service example. How SOAP request and response model works? Give an example.	07 07
Q.4	(a)	How WS-security can be implemented using XML-Signature, XML-encryption	07
	(b)	and SAML? What are WS-Policy and its role with WS-PolicyAttachments and WS-PolicyAssertions constituents?	07
Q.4	(a) (b)	OR Explain RPC (Remote Procedure Call) with a suitable example. Discuss limitation of SOAP, WSDL and UDDI.	07 07
Q.5	(a) (b)	What is Service Choreography? Discuss its features and working. Explain various aspects of Service Composition architecture. How Service gets executed?	07 07
		OR	
Q.5	(a)	 Answer the following questions. Explain in brief: Atomic Transactions. Give an example of WS-Eventing. 	04 03
	(b)	Answer the following questions.1. How to publish and discover web service using UDDI? Explain in brief.2. Write brief note on WS-Metadata Exchange.	05 02
