Seat No.:	Enrolment No
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Subject Code: 181605

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII • EXAMINATION - SUMMER 2014

Date: 27-05-2014

Tim	e: 10	Name: Service Oriented Computing 0:30 am TO 01:00 pm Total Mark	ks: 70
Instru	1. 2. 3.	s: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Draw the schematic general architectural model for Web Service. Explain SOAP request scenario for a customer orders goods from a supplier.	07
	(b)	•	07
Q.2	(a)	Differentiate between .Net Architecture and J2EE Architecture in the context of Enterprise Architecture.	07
	(b)	Write a short note on: RDF	07
		OR	
	(b)	Write a short note on : OWL	07
Q.3	(a)	Explain UDDI API for registry access.	07
	(b)	Write a short note on: WSDL	07
		OR	
Q.3	(a)	Compare RESTful Web Service and SOAP based Web Service	07
	(b)	Explain SOAP request and SOAP response with suitable example.	07
Q.4	(a)	Explain the ACID properties reviewed in the Context of Service Oriented Architectures and in the Context of distributed transaction.	07
	(b)		
Q.4	(a)	How SOAP handles Exceptions using fault, exceptions and throw?	07
	(b)	Explain the architecture for transactions over composed services. Explain the properties of composed transactions in brief.	07
Q.5	(a)	Explain the Agent based system architecture showing the de facto standard agent types.	07
	(b)	Write a short note on : (i) CORBA (ii) JINI	07
		OR	
Q.5	(a)	Explain Multi-agent architecture and its life cycle management.	07
	(b)	Write a short note on: (i) WSCL (ii) Model Driven Architecture	07
