## **GUJARAT TECHNOLOGICAL UNIVERSITY** BE - SEMESTER-VIII • EXAMINATION – SUMMER • 2015

Subject Code: 181605Date: 05/05/Subject Name: Service Oriented ComputingTime: 10.30am-01.00pmTime: 10.30am-01.00pmTotal MarkInstructions:1. Attempt all questions.1. Attempt all questions.2. Make suitable assumptions wherever necessary.3. Figures to the right indicate full marks.			
Q.1	(a) (b)	Write a WSDL file for a Email address service that supports the operations GetEmailAddress and SetEmailAddress. The operation GetEmailAddress accepts a name parameter of type String and returns a Email address of type String, whereas SetEmailAddress accepts a name parameter of type String and a Email Address parameter of type String and returns nothing Write SOAP Request and SOAP response code for the above Q-1(a)	07
Q.2	(a)	Explain UDDI API for registry access	07
	<b>(b)</b>	Draw and explain .NET architecture. OR	07
	<b>(b)</b>	Draw and explain J2EE architecture.	07
Q.3	(a) (b)	Define RDF? Compare XML vs. RDF Explain Web service architecture in detail <b>OR</b>	07 07
Q.3	(a) (b)	Explain role of XML in distributed computing Explain RDFS and discuss how OWL address limitation of RDFS	07 07
Q.4	(a)	What is the need of service composition? Discuss challenges for Service	07
	(b)	composition Explain BPEL4WS OR	07
Q.4	(a)	What is ontology? Explain OWL constructor and Axioms with suitable example	07
	<b>(b)</b>	Explain Web Service Choreography Interface in detail	07
Q.5	(a)	List the fundament services and protocols in Jini. What are the differences between Jini's discovery, join and lookup?	07
	(b)	Explain Multiagent architecture and its life cycle management. OR	07
Q.5	(a) (b)	Explain WS – Coordination & BTP in detail. Give importance of Agent communication language and explain Contract Net protocol	07 07

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