Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII (NEW) - EXAMINATION - SUMMER 2017 Subject Code: 2170713 Date: 06/05/2017 Subject Name: Service Oriented Computing (Departmental Elective - II) Time: 02.30 PM to 05.00 PM			
Insti	2.	ns: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	What challenges of traditional computing are addressed and resolved in Service Oriented Computing. Justify importance of SOC in terms of open environments.	07
	(b)	What is importance of WSDL? Discuss various elements of WSDL document with example.	07
Q.2	(a)	Compare J2EE architecture and .NET architecture.	07
Q.2	(a) (b)	Explain SOAP request and SOAP response model. Explain with an example where a GetQuotation request is sent to a SOAP Server. The request consists of QuotationName as a parameter, and a quotation will be returned in the response.	07
	(b)	OR Write a XML Schema file for validating CustomersOrders xml document	07
	(~)	which maintains details of orders placed by various customers.	
Q.3	(a)	Write a short note on followings. i. Model Driven Architecture ii. ebXML	07
	(b)	Explain Web Services Interoperability Technologies (WSIT). OR	07
	(a)	Compare following terms: (1) Interoperation Vs. Integration (2) RPC Vs. Document Orientation	07
	(b)	Write down the steps to create and (i) to consume the .Net web service into java client; (ii) to consume the java web service into .Net client.	07
Q.4	(a)	What is the need of service composition? Discuss challenges for Service composition.	07
	(b)	Compare RESTful Web Service vs. SOAP based Web Service. OR	07
	(a)	Explain Java API for XML based web services (JAX-WS) and Java API for XML based RPC (JAX-RPC) in brief.	07
	(b)	Explain WS-BPEL and WS-Policy in brief.	07
Q.5	(a)	Discuss business level conversation using Web Services Conversation Language.	07
	(b)	Discuss transaction management in composed service. OR	07
	(a) (b)	Define Web Service. Explain architecture model of Web Service. Discuss Orchestration and Choreography in brief.	07 07