GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER– VII (New) EXAMINATION – WINTER 2019

Subject Code: 2170713 **Date: 03/12/2019**

Subject Name: Service Oriented Computing

Time: 10:30 AM TO 01:00 PM **Total Marks: 70**

Instructions:
1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

			MARKS
Q.1	**(a)**	Explain the basic elements of SOA.	**03**
	(b)	Define Composing Service and Discuss challenges for Service.	**04**
	(c)	Write a brief note on Model Driven Architecture.	**07**
Q.2	**(a)**	Discuss Orchestration Service Layer.	**03**
	(b)	Explain benefits of SOA.	**04**
	(c)	Explain role of XML in distributed computing.	**07**
		OR	
	(c)	What is SOAP? Discuss SOAP request and response formats in brief.	**07**
Q.3	**(a)**	Compare RPC Vs. Document Orientation.	**03**
	(b)	Compare RESTful Web Service vs. SOAP based Web Service.	**04**
	(c)	Discuss choreography and collaboration in brief.	**07**
		OR	
Q.3	**(a)**	Explain WS-Security in detail.	**03**
	(b)	Discuss limitation of SOAP, WSDL and UDDI.	**04**
	(c)	Discuss role of Business process languages.	**07**
Q.4	**(a)**	Explain WS-Coordination in brief.	**03**
	(b)	Define composite services. Explain challenges for composite services.	**04**
	(c)	Explain Java API for XML based web services (JAX-WS).	**07**
		OR	
Q.4	**(a)**	Explain Web Services Enhancements (WSE).	**03**
	(b)	Explain Entity-centric business and task centric business services.	**04**
	(c)	Explain JAXB (Java architecture for XML binding) life Cycle.	**07**
Q.5	**(a)**	Explain Syntax for Attribute in DTD.	**03**
	(b)	Compare Interoperation Vs. Integration.	**04**
	(c)	Explain WS-BPEL and WS-Policy in brief.	**07**
		OR	
Q.5	**(a)**	Explain UDDI API for registry access.	**03**
	(b)	Write down the steps to create and to consume the .Net web service into java client.	**04**
	(c)	Explain WS-Reliable Messaging in detail.	**07**