

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VII(NEW) EXAMINATION – SUMMER 2019****Subject Code:2170713****Date:27/05/2019****Subject Name:Service Oriented Computing****Time:02:30 PM TO 05:00 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 Distributed Computing in brief.	03
	(b) Explain Integration versus Interoperation.	04
	(c) What is SOA? List down common characteristics of SOA.	07
Q.2	(a) What challenges of traditional computing are addressed and resolved in Service Oriented Computing	03
	(b) Write Short note on Model Driven Architecture.	04
	(c) Compare RESTful Web Service vs. SOAP based Web Service.	07
	OR	
Q.3	(c) Describe SOAP request and response model with an example.	07
	(a) Explain Rules for Collaboration.	03
	(b) What is UDDI? Draw and Explain basic structure of it.	04
	(c) Explain Web Service Choreography Interface in detail.	07
	OR	
Q.3	(a) Differentiate: RPC vs. Document orientation.	03
	(b) Explain Business Process Languages in detail.	04
	(c) Explain WSDL in Detail.	07
Q.4	(a) Explain entity-centric business and task-centric business services	03
	(b) Write short note on JAX-WS.	04
	(c) What is role of JAX-RPC in Web Services?	07
	OR	
Q.4	(a) Explain ebXML.	03
	(b) Explain JAXR Architectural Components.	04
	(c) Explain .NET Framework architecture with suitable example.	07
Q.5	(a) What is RDF? Explain in brief.	03
	(b) Explain WS-security and WS-Policy.	04
	(c) Explain XML-Encryption and XML-Signature in brief.	07
	OR	
Q.5	(a) Explain autonomy and heterogeneity in brief.	03
	(b) Explain WS-Addressing in short.	04
	(c) Explain WS-Reliable Messaging in detail.	07
