

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VII (OLD) EXAMINATION – WINTER 2023****Subject Code:2170713****Date:01-12-2023****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.
4. Simple and non-programmable scientific calculators are allowed.

		MARKS
Q.1	(a) What is BPEL? Explain	03
	(b) What are the advantages of Service Oriented Computing over traditional computing?	04
	(c) Write a note on Service life cycle.	07
Q.2	(a) What is JAX-WS?	03
	(b) What is XML? Explain the importance of it.	04
	(c) Differentiate Orchestration and Choreography in details.	07
	OR	
	(c) Compare between J2EE and .NET architecture in detail.	07
Q.3	(a) What is RDF? Explain in brief.	03
	(b) Discuss WS – Transaction.	04
	(c) Explain WS-Business Activity in detail.	07
	OR	
Q.3	(a) Explain role of XML in distributed computing.	03
	(b) What is JAXR? Explain in short	04
	(c) What is SOA? Explain characteristics of SOA in detail	07
Q.4	(a) Explain different elements of SOAP in short.	03
	(b) Create a service in Java that will convert Distance from KM to METERS.	04
	(c) Explain Web Services Interoperability Technologies (WSIT).	07
	OR	
Q.4	(a) Explain Web Services Enhancements (WSE).	03
	(b) Write short note on: WS-Reliable Messaging.	04
	(c) Compare SOA Vs Client-server Vs Distributed Architecture.	07
Q.5	(a) Compare RPC Vs. Document Orientation.	03
	(b) Compare RESTful Web Service vs. SOAP based Web Service.	04
	(c) Explain WS-Addressing	07
	OR	
Q.5	(a) Explain entity-centric business and task-centric business services.	03
	(b) Write down the steps to create and to consume the .Net web service into java client.	04
	(c) Explain Java API for XML based web services.	07
