

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER- VIII EXAMINATION – SUMMER 2020****Subject Code: 2170713****Date: 29/10/2020****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) Define Composing Service and also discuss challenges for Service composition.	03
	(b) Compare Integration versus interoperation.	04
	(c) What are the basic elements of SOA? How does SOA impose Loose Coupling, Granularity and Long life time in realizing the requirements?	07
Q.2	(a) Explain different elements of SOAP in short.	03
	(b) Explain significance of WSDL with its major elements.	04
	(c) Explain Model Driven Architecture in brief.	07
	OR	
	(c) Explain role of XML in distributed computing	07
Q.3	(a) Explain Rules for Collaboration.	03
	(b) Discuss limitation of SOAP, WSDL and UDDI.	04
	(c) Explain SOAP request and SOAP response with sample example code.	07
	OR	
Q.3	(a) Explain Entity-centric business services.	03
	(b) Compare RESTful Web Service vs. SOAP based Web Service.	04
	(c) Discuss Orchestration and Choreography in brief.	07
Q.4	(a) Write short note on: JAX-WS	03
	(b) Create a service in Java that will convert Distance from KM to METERS.	04
	(c) Write a difference between J2EE and .NET architecture in detail.	07
	OR	
Q.4	(a) Write short note on: JAXR	03
	(b) What is role of JAX-RPC in Web Services?	04
	(c) Explain Web Services Interoperability Technologies (WSIT).	07
Q.5	(a) What is Coordination? Explain activation and registration process of WS-Coordination in short	03
	(b) Explain WS-BPEL	04
	(c) Explain WS-Reliable Messaging in detail.	07
	OR	
Q.5	(a) Compare following terms: RPC Vs. Document Orientation	03
	(b) Explain WS-Addressing	04
	(c) Explain WS – Coordination & BTP in detail.	07
