

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-VII (NEW) EXAMINATION – WINTER 2020****Subject Code:2170713****Date:30/01/2021****Subject Name:Service Oriented Computing****Time:10:30 AM TO 12:30 PM****Total Marks: 56****Instructions:**

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

MARKS

Q.1	(a) What is composite service? List down challenges for composite service.	03
	(b) How service interoperate with each other?	04
	(c) Explain various characteristics of SOA.	07
Q.2	(a) What is MDA?	03
	(b) Differentiate Intra-enterprise and Inter-enterprise Interoperation.	04
	(c) Compare SOA Vs Client-server Vs Distributed Architecture.	07
Q.3	(a) What is WSDL? Explain it.	03
	(b) What is XML? Explain the importance of it.	04
	(c) What is full form of UDDI? Draw and Explain different parts of it using suitable example.	07
Q.4	(a) What is JAX-WS?	03
	(b) Difference between SOAP v/s REST web services	04
	(c) Differentiate Orchestration and Choreography in details.	07
Q.5	(a) Write a web service in Java that will convert Celsius from Fahrenheit.	03
	(b) What is JAXR? Explain in short	04
	(c) What is MEP? Draw and Explain common patterns in detail.	07
Q.6	(a) What is WSIT?	03
	(b) What is JAXB? Explain it	04
	(c) Compare between J2EE and .NET architecture in detail.	07
Q.7	(a) Differentiate RPC Vs. Document Orientation styles for web services.	03
	(b) Write short note on: WS-Security	04
	(c) What is WS-BPEL? Explain it.	07
Q.8	(a) What is SAML? Explain it.	03
	(b) Write short note on: WS-ReliableMessaging.	04
	(c) Discuss activation and registration process of WS-Coordination in details with diagrams	07
