

**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

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|------------|---|-----------|
| 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 |
