

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**

**M. E. - SEMESTER – I • EXAMINATION – WINTER • 2014**

**Subject code: 710101N**

**Date: 01-12-2014**

**Subject Name: Service Oriented Architecture**

**Time: 10:30 am - 01:00 pm**

**Total Marks: 70**

**Instructions:**

- 1. Attempt all questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full mark.**

- Q.1** (a) What is SOAP? Discuss in detail with example. **07**  
(b) What is Model Driven Architecture? **07**
- Q.2** (a) Discuss Service characteristics in SOA. **07**  
(b) Discuss J2EE Architecture with each modules **07**  
**OR**  
(b) Discuss .NET Architecture with each modules **07**
- Q.3** (a) Write a WSDL File to reverse the string and discuss functionality of each Tag in WSDL file. **07**  
(b) Write an XML file to generate HSC mark-sheet. Also write xsd and xslt files to validate and represent it on web browser in tabular manner. **07**  
**OR**
- Q.3** (a) Explain SOA Reference Architecture. **07**  
(b) Explain the Enterprise Business process. How Orchestration does helps in construction of Business processes from Business services or from composite services from smaller services. **07**
- Q.4** (a) What is WS-Security and WS Policy? **07**  
(b) Explain 4+1 software architectural views. **07**  
**OR**
- Q.4** (a) Explain the term : (i)WS-Notification Framework (ii) WS-Eventing **07**  
(b) Discuss Business Process Execution Language **07**
- Q.5** (a) Explain Service Life Cycle with example. **07**  
(b) Differentiate DTD and XSD. Write an XML, DTD and XSD file for Library Books Catalog. **07**  
**OR**
- Q.5** (a) Discuss UDDI in details. **07**  
(b) Explain term : (i) Orchestration (ii) Choreography **07**

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