GUJARAT TECHNOLOGICAL UNIVERSITY
ME – SEMESTER II (OLD) – • EXAMINATION – SUMMER 2016

Subject Code: 1722301   **Date: 17/05/2016**
Subject Name: Service Oriented Architecture
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.**

Q.1	**(a)**	Compare J2EE and .NET architecture and their development features in detail.	**07**
	(b)	Write and explain service life cycle.	**07**
Q.2	**(a)**	Explain SOA Reference Architecture.	**07**
	(b)	What is WS-Security and WS Policy?	**07**
		OR	
	(b)	Explain 4+1 software architectural views.	**07**
Q.3	**(a)**	Differentiate DTD and XSD. Write an XML, DTD and XSD file for GTU students' records.	**07**
	(b)	Discuss limitation of SOAP, WSDL and UDDI.	**07**
		OR	
Q.3	**(a)**	Write XSD file for emp.xml where empId is mandatory and unique, Pancard no is mandatory, contact number should be zero or more. Also write sample emp.xml file.	**07**
	(b)	Explain Model Driven Architecture.	**07**
Q.4	**(a)**	Describe SOAP request and response model with an example.	**07**
	(b)	Explain Orchestration with a suitable example of web services.	**07**
		OR	
Q.4	**(a)**	Explain Service Execution in detail.	**07**
	(b)	What is SOAP? Explain SAOP envelope, header, body, types of faults with one SOAP sample example.	**07**
Q.5	**(a)**	Explain the term : (i)WS-Notification Framework (ii) WS-Addressing	**07**
	(b)	What is WSDL? Explain various parameters of WSDL file with example.	**07**
		OR	
Q.5	**(a)**	List and explain characteristics of good service.	**07**
	(b)	Write XSL code to print only those item list which has price between 100 to 250 in tabular manner from item.xml. Also write sample item.xml file.	**07**

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