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B.E / B.Tech Full time End Examination Nov/ Dec 2012

**Branch: Information Technology
Semester: VI**

Code no. / Subject: IT9351- Service Oriented Architecture

Duration : 3 hours

Max. Marks: 100

Answer all questions

Part - A

10 * 2 = 10

- 1 **What are the functions of BPM & SOA in service oriented enterprise?**
- 2 **Write short notes on message level, transport level security and WS-Policy in web service.**
- 3 **List out the principles to be followed in service contracts.**
- 4 **Give the service contract of service data model for supply of computers.**
- 5 **Write short notes on WS-BPEL.**
- 6 **Write XSLT to display the name of student with his age.**
- 7 **Write short notes on JAXM.**
- 8 **What is choreographic-centric approach in web service composition?**
- 9 **What way WS-Security framework is related to other specifications?**
- 10 **List out all assertion policies in SAML.**

Part-B

5 * 16 = 80

- 11 **a. i. Explain service abstraction concept for maintaining the students' academic details in college.
ii. Explain service oriented integration concept for maintaining students' details for maintaining their academic records at the department level, fee details at the administrative level and for knowing the result details for their parents through their mobiles.**
- 12 **a. i. Explain – service level interaction patterns technologies.
ii. Explain – service level security in web service.
Or
b. i. Compare and contrast web service and service oriented integration
ii. Compare J2EE and .NET architecture.**
- 13 **a. Explain- the layered service oriented architecture for multi channel access.
Or
b. Explain the creation of business process that uses atomic and composite services.**
- 14 **a. Explain – the architecture of JAXP architecture. Compare JAXP DOM with JAXP SAX
Or
b. i. Explain – XML-RPC service model.
ii. Explain – XML-to-Java marshalling & unmarshalling**
- 15 **a. Write short notes on all metadata specifications-XML, WSDL, UDDI and**

WS-Policy.

Or

b. Give the architecture of reliable messaging. List out the benefit of reliable messaging. Specify an usage scenario of it