

**B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2012.**

## **IT 2401 SERVICE ORIENTED ARCHITECTURE**

**(Regulation 2008)**

**Time : Three hours Maximum : 100 marks**

**Answer ALL questions.**

**PART A – (10 × 2 = 20 marks)**

Part A

1. List any four SOA characteristics?
2. What is coarse grained services?
3. What are the services platform elements?
4. Define service layer?
5. What are the component specifications in service modelling?
6. Briefly explain about the operations in entity centric?
7. What is marshalling and unmarshalling?
8. What is JAX-RPC? Give two benefits.
9. What is ACID transactions?
10. Define WS-policy.

Part B

11.a.Explain in detail about SOA components and how are they interrelate.

b.What is distributed Internet architecture and compare it with SOA.

12.a.Describe in detail about messaging with SOAP.

b.i.Write short notes on Orchestration and Choreography.

ii.Briefly discuss on application service layer.

13.a.Explain the steps involved in service oriented design in detail.

b.Explain the basics of web service description language.

14.a.Describe about JAXB architecture in detail.

b.Discuss in about web service interoperability technologies.

15.a.Explain about WS-chreography model.

b.Discuss on WS-coordination in detail.