

B.E./B.Tech. DEGREE EXAMINATION, APRIL / MAY 2016
Seventh Semester
Computer Science and Engineering
IT 2401 SERVICE ORIENTED ARCHITECTURE
(Common to Sixth Semester – Information Technology)
(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

PART A — (10 × 2 = 20 marks)

1. List any four SOA characteristics?
2. What is coarse grained services?
3. What are we services platform elements?
4. Define service layer?
5. What are the component specification 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 (5 × 16 = 80 marks)

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

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

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

(OR)

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.

(OR)

b. Explain the basics of web service description language.

14. a. Describe about JAXB architecture in detail.

(OR)

b. Discuss in about web service interoperability technologies.

15. a. Explain about WS-chreography model.

(OR)

b. Discuss on WS-coordination in detail.