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Question Paper Code : 60766

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2016.

Seventh Semester

Information Technology

IT 2401/10144 IT 701/IT 71 — SERVICE ORIENTED ARCHITECTURE

(Common to Computer Science and Engineering)

(Regulations 2008/2010)

(Common to PTIT 2401 — Service Oriented Architecture for B.E. (Part-Time)
Sixth Semester — CSE – Regulations 2009)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are coarse grained services?
2. What is SOAP?
3. What are web services?
4. Compare abstract and concrete descriptions.
5. Define service oriented analysis.
6. What are the potential types of logic suitable for abstract orchestration layer?
7. What is Marshalling and Unmarshalling?
8. What is JAX-RPC? Give two benefits.
9. List the types of choreography.
10. Define ACID transactions.

PART B — (5 × 16 = 80 marks)

11. (a) Explain how SOA can be compared to client-server architecture.

Or

- (b) Describe the principles of service orientation.

12. (a) Explain about the service layer abstraction and orchestration service layer.

Or

(b) Explain about service layer configuration scenarios.

13. (a) Explain the steps involved in Service Oriented Design in detail.

Or

(b) Explain the basics of Web Services Description Language in detail.

14. (a) Discuss in detail about JAXB architecture. (16)

Or

(b) Explain how SOA is achieved in .NET platform. (16)

15. (a) Explain briefly about WS-BPEL.

Or

(b) Explain briefly about WS-Choreography Model Description.
