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Question Paper Code : 21516

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2013.

Seventh Semester

Information Technology

IT 2401/IT 71 – SERVICE ORIENTED ARCHITECTURE

(Common to Computer Science and Engineering)

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is service oriented architecture?
2. List out the logical components of automation logic.
3. Explain SOAP message format.
4. Differentiate orchestration from activities.
5. Define service oriented analysis.
6. What are the potential types of logic suitable for abstract orchestration layer?
7. List out the common layers required by a development & runtime platform for building SOA?
8. Define service agent.
9. Distinguish between the identifier and expires elements.
10. What is preference attribute?

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) Write short notes on

- (i) Service Descriptions. (6)
(ii) Atomic Transaction. (5)
(iii) Choreography. (5)

Or

- (b) Discuss about different service layer in detail.

13. (a) Briefly explain about WSDL & SOAP basics in service oriented design.

Or

- (b) Describe in detail about entity-centric business service design in a step by step process.

14. (a) Explain how SOA support in J2EE.

Or

- (b) Describe how service oriented architecture achieved in .NET platform.

15. (a) Discuss WS-BPEL language basics in detail.

Or

- (b) Explain WS-security language basics in detail.