Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code : 51563

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2014.

Seventh Semester

Information Technology

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

(Common to Computer Science and Engineering)

(Regulation 2008/2010)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. List out the characteristics of SOA.

2. Define application architecture.

3. Write short notes on business activities in web services.

4. Define Choreography.

5. List out some guidelines of service modeling.

6. What is entity-centric business service design?

7. Define Generated stub.

8. List out the common layers required by a development and runtime platform for building SOA.

9. Differentiate the identifier and expires elements.

10. What is DigestMethod and DigestValue?

PART B — (5 × 16 = 80 marks)

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

Or

(b) Explain the anatomy of service oriented architecture.

12. (a) Describe the process of messaging with SOAP and Atomic Transaction.

Or

(b) Discuss about Business service layer and Orchestration service layer in detail.

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

Or

(b) Describe application service design in a step by step process.

14. (a) Explain SOA platform and describe the APIs in J2EE which is used to built SOA.

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.

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