Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code : 63335

M.E./M.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2015.

Elective

Computer Science and Engineering

CP 7028 – ENTERPRISE APPLICATION INTEGRATION

[Common to M.E. - Software Engineering, M.E. - Computer Science and Engineering (With Specialization in Networks) and M.Tech. - Information Technology]

(Regulation 2013)

Time : Three hours
Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the Requirements for EAI?

2. Define ETL.

3. What are the Elements of Integration Patterns?

4. Give the Challenges in Security.

5. Define Business process integration.

6. What is the case study of Service Oriented Integration?

7. Define Message Structure.

8. How Java Messaging Services are used in Message Based Integration?

9. What do you meant by Scalable Connectivity.

10. Differentiate between message based and event based integrations.

PART B — (5 × 16 = 80 marks)

11. (a) (i) Explain in detail about the Integration with Legacy systems. (8)

    (ii) Describe about the performance issues of Heterogeneous Environment. (8)

Or

(b) Discuss the ETL Concepts and approaches to integration in detail. (16)

12. (a) (i) Describe in detail about the Architecture for Application Integration. (8)

   (ii) Explain about the Concepts of Integration Patterns. (8)

Or

   (b) Discuss about the Issues of Case studies and Challenges in Performance, Security, reliability. (16)

13. (a) (i) Describe about the Business Process Integration in detail. (8)

   (ii) Explain about the Service choreography and orchestration. (8)

Or

   (b) (i) Compare the structure of EPMN and BPEL. (8)

   (ii) Explain the objectives of Middleware infrastructure with suitable case study. (8)

14. (a) Explain in detail about the Messaging Based Integration with examples. (16)

Or

   (b) (i) Discuss the structure of Reliability mechanisms in detail. (8)

   (ii) Describe in detail about the Messaging infrastructure and case studies. (8)

15. (a) Discuss in detail about the Enterprise Service Bus with example. (16)

Or

   (b) (i) Explain about the overview of Deployment Configurations with example. (8)

   (ii) Compare the Global, Brokered, Federated and Hardware based ESBs. (8)

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