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Question Paper Code : 60311

M.E./M.Tech. DEGREE EXAMINATION, MAY/JUNE 2017.

Elective

Computer Science and Engineering

CP 7028 — ENTERPRISE APPLICATION INTEGRATION

(Common to M.E. Computer Science and Engineering (With Specialization in Networks) / M.E. Software Engineering and M.Tech. Information Technology)

(Regulations 2013)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1.   What are the different requirements of EAI?

2.   How does one manage the middleware?

3.   What are the requirements of broker patterns?

4.   How are the message bus activities done?

5.   Mention some importance of business process integration.

6.   Why is BPEL necessary?

7.   Explain the Principle behind the messaging.

8.   How does one manage reliability?

9.   Write down the various routing mechanisms.

10. How does Enterprise services Bus?

PART B — (5 × 13 = 65 marks)

11. (a) Explain in detail the web services messaging.

Or

(b) Describe the various approaches to data Integration.

12. (a) How does the publish/subscribe protocol works? Give an example.

Or

(b) Describe in detail the challenges in performance, security and reliability.

13. (a) Give a detailed note on business process modeling.

Or

(b) With Illustration, explain service orchestration and service choreography.

14. (a) Explain in detail the messaging structure works.

Or

(b) Explain the elements used in messaging infrastructure.

15. (a) Illustrate the usage of data enrichment.

Or

(b) How does a application server work? Explain.

PART C — (1 × 15 = 15 marks)

16. (a) Explain with an sample application how to design, implement and test a middleware.

Or

(b) Evaluate the working of Global and federated ESBs.

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