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Question Paper Code : 17304

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

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 is Data level EAI?
2. List the features of ETL tools.
3. What is message bus?
4. What is broker in EAI?
5. List the difference between service choreography and orchestration.
6. What is business process execution?
7. Difference between synchronous and asynchronous Message Integration.
8. List the challenges in reliability mechanisms.
9. What is data enrichment?
10. What is Global ESB?

PART B — (5 × 13 = 65 marks)

11. (a) Explain the EAI integration approaches.

Or

(b) Write the challenges in EAI. How can overcome it?

12. (a) Draw and explain the architecture for application integration.

Or

(b) Write notes on - point to point channel and publish/subscribe channel.

13. (a) Write notes on Composite applications.

Or

(b) Explain in detail about BPMN with suitable example.

14. (a) Explain the challenges in reliability mechanisms.

Or

(b) Explain the different models in Message oriented Middleware.

15. (a) Explain Enterprise service Bus in detail.

Or

(b) Explain in detail about hardware based integration.

PART C — (1 × 15 = 15 marks)

16. (a) Describe the Datatype channel in purchase system with three data types – purchase orders, price quotes, and queries.

Or

(b) Implement the Java Messaging Services API with an example.