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P 1265

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2007.

Eighth Semester

Information Technology

IF 039 — ENTERPRISE RESOURCE PLANNING

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is the Impact of ERP system to large manufacturers vs small factories.
2. What are the benefits of ERP integration with customers and suppliers in supply chain management.
3. What is the relationship between Business Process Reengineering (BPR) and Enterprise Resource Planning (ERP).
4. State the advantages of outsourcing an ERP system to an Application Service Provider (ASP) instead of from an ERP software package vendor.
5. How do you verify and validate functionalities of ERP system packages, e.g. SAP vs. People Soft, etc.
6. List any THREE major components of an ERP system.
7. What are the 4 possible ways of SAP R/3 three-tier client/server configurations.
8. Define what is meant by Enterprise Architecture Integration (EAI).
9. Compare the TWO basic approaches to data-level EAI, namely database-to-database EAI vs. federated database EAI.
10. What are the functions provided by the system control Interfaces?

PART B — (5 × 16 = 80 marks)

11. (a) What is the main problem in MRP that requires human intervention? How could the problem be dealt with? How did MRP evolve into ERP? Describe the evolution stages. What is the Extended ERP? State some example. (16)

Or

- (b) Discuss the ways in which IT can be used to improve the performance of work systems, and the challenges that must be overcome to achieve this. Among the topics you might want to consider are: business process reengineering and examples of the use of IT with an example. (16)
12. (a) If you are a consultant of an ERP software vendor, suggest how you would guide the users client through the implementation of an ERP system. (16)

Or

- (b) Discuss the different phases of implementation of ERP life cycle for a automobile industry. (16)
13. (a) Compare and Contrast the ERP packages BaaN, MPGPRO and IFS Avalon with respect to the functionality, performance, installation and the modules present. (16)

Or

- (b) Analyze the finance and accounting module. Which functions does the module offer? Which data does the module manage? Also analyze the interfaces of the Finance and Accounting Module to other modules, Which are the modules which interact with the Finance and Accounting and how? (16)
14. (a) What are the various ERP services? Explain in detail about Product Management and Product Upgradation. (16)

Or

- (b) Draw the User Interface diagram and explain the modules used to transfer user data to the database for application Integration and vice versa. (16)

15. (a) Draw the ERP architectural layers and explain the different configurations in which the client and the server can be established in R/3 application. (16)

Or

- (b) What is a Work Process? Describe briefly the different types of work processes available in SAP R/3 system. (16)
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