# A 1304

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 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. When does the ERP systems set of generic processes produce dramatic improvements?

2. State the financial benefits possible when IT is couple with Business Engineering.

3. Define business process reengineering and model business as a system.

4. What are the three key issues which determine the success of ERP implementation?

5. What are the essential dimensions required for gaining competitive advantage?

6. Briefly discuss the Activity Based Costing method followed in SAP ERP.

7. Draw the block diagram of Quality Control Module and brief its functions.

8. State the type of standard and protocols supported by SAP R/3 system.

9. What is a Logical Unit of work? List the different types of LUW's available.

10. What are the functions provided by the database Interface?

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. (16)

Or

(b) Discuss the importance of ERP in a digital firm. Your discussion should include how do they change the way the organization works. What are the challenges and benefits? (16)

12. (a) ERP implementation requires a great deal of attention to behavioral issues. What are the phases that a company goes through when planning and implementing ERP systems? Who are the team players and what are the objectives for each phase? (16)

Or

(b) Explain the post implementation options and guidelines for ERP implementation and the roles of Consultants, Vendors and users in implementing ERP. (16)

13. (a) Compare and contrast the ERP packages BaaN and IFS Avalon with respect to the functionality and the modules present. (16)

Or

(b) Describe briefly the following SAP module - Finance ; Human Resource Management. (16)

14. (a) Draw the layered architecture of SAP R/3. Explain the different types of client server models which can be implemented in SAP. (16)

Or

(b) Explain the major implementation issues faced in integrating the ERP modules with the real life scenarios and the specify the role of EAI used here. (16)

15. (a) Briefly explain the Interface design of SAP with the corresponding activity diagrams. (16)

Or

(b) Describe the role of System Control Interface, Presentation Interface and Database Interface in ERP. (16)