

Roll No.....

Total No. of Questions—6]

[Total No. of Printed Pages—2

Time Allowed—3 Hours

Maximum Marks—100

DDA

Answer **all** questions.

Marks

1. The AMC Limited is a Car Manufacturing company. The management wanted to stream line the information system that could integrates all data—from Sale order booking, Inventory management, and Production management system. Human Resource management accounts and Finance—so that accurate real-time information will be available. A special team was constituted for this purpose. The team has heard that many manufacturing companies are just beginning to move their mission-critical, enterprise-level systems off their legacy mainframe systems and onto new client/server systems. They have heard that such systems provide increased flexibility, integration and functionality.
- The planning team is considering custom development. Some large manufacturing companies have undertaken custom development of their new client/server system.
- AMC team is concerned about the risk of not able to achieve the main objective of having accurate real time system. The team appoints you as their consultant. As an experts what are the areas you would carefully address in order to build a successful client/server application system.
2. Briefly describe the System Development Life cycle methodology and the various steps involved.
3. Write short notes on the following :
- (a) Backup and recover
 - (b) Prototyping
 - (c) Artificial Intelligence (AI)
 - (d) XML (Extensible Markup Language).

(2)

DDA

Marks

4. M/s. Automatic is a small scale manufacturing company producing Solar pump set. With the power shortage in the State, demand for its product has grown. 16

Currently the inventory records are maintained manually on bin cards. There are 1000 components and subassemblies. Inventory figures constantly change as materials were drawn for production.

In order to have a better inventory control, management decided to computerize the inventory system. The System Development team is meeting to consider the change over procedures for inventory. As a part of team member what will be your recommendation for file changeover and controls that should be in place to maintain data integrity.

5. Computer professionals say that the Computer operating system is capable of running multiple programs—by linking two or more CPUs for processing and by sharing the processing resources and virtual storage it is possible for 1000 users sitting at a remote terminal to use the Computer system simultaneously. Further the computer can also run multiple programs at the same time. In this context what is meant by multiprogramming, multiprocessing, time share and virtual storage ? 16
6. State the risks and governance issues in an ERP when organisations integrate to real-time ERP. 16