

PAPER 6 : MANAGEMENT INFORMATION AND CONTROL SYSTEMS
NOVEMBER 2002

Question No.1 is compulsory
Answer any four from the remaining six questions.

Question 1

- (a) Describe the major techniques of Concurrent Audit of Information Systems. Bring out the relevant of such Audit. **(10 Marks)**
- (b) What are the two major categories of exposures in the Communication sub-system including internet and intranet? What control mechanisms could be used to deal with them? **(10 Marks)**

Question 2

- (a) Differentiate among Strategic, Tactical and Operational categories of Information required for different levels of Managerial decision making. **(8 Marks)**
- (b) In what ways does an Executive Information system differ from the Traditional Information System? **(12 Marks)**

Question 3

- (a) Explain the major categories of risks involved in transition from the mainframe Computers to client servers? **(8 Marks)**
- (b) Describe the steps involved in prototyping for systems development **(8 Marks)**
- (c) If you are the Project Manger of Software Company with the responsibility for developing a break-through product, combining state of the art hardware and software, will you opt for prototyping as a process model for a product meant for the intensely competitive entertainment market? **(4 Marks)**

Question 4

- (a) What is an ERP system? Bring out the major challenges involved in its implementation. **(10 Marks)**
- (b) Draw a system flow chart for a production scheduling system **(6 Marks)**
- (c) What systems interfaces are involved in Production Planning? **(4 Marks)**

Question 5

- (a) What is a Digital Signature? How is it used? What are the duties of certifying authorities in regard to its usage? **(10 Marks)**
- (b) What are the core principles of Information Security? **(10 Marks)**

Question 6

- (a) What measures can be adopted to detect Computer Frauds? **(10 Marks)**
- (b) What are the major factors to be considered in designing User Inputs? Explain. **(10 Marks)**

Question 7

(5×4=20 Marks)

Write short notes on the following:

- (a) Data Dictionary
- (b) CASE Tools
- (c) Decision Support Systems
- (d) System Maintenance.