PAPER 6 : MANAGEMENT INFORMATION AND CONTROL SYSTEM
November 2004
Question No.1 is compulsory.
Answer any four questions from the remaining six questions.

Question 1

(a) "In On-line systems, conventional audit trail is difficult and almost impossible." Why? Explain the kind of audit techniques used in such system. **(10 Marks)**

(b) Define the following important terms in the light of the Section 2 of the I.T. Act, 2000.
   i. Affixing digital signature
   ii. Asymmetric crypto system
   iii. Computer network
   iv. Private and Public keys
   v. Secure system. **(10 Marks)**

Question 2

(a) What are the production information requirements of a GM (Production and Operations Management) with regard to production planning and control? **(10 Marks)**

(b) What are the variables that the top management should consider during negotiations with the labour unions? **(5 Marks)**

(c) Successful executives take decisions relying more on intuition than on any quantitative analytical decision technique. Mention five characteristics of the types of information that are responsible for this phenomenon in executive decision-making. **(5 Marks)**

Question 3

(a) Define a 2-tier and a 3-tier architecture. **(2 Marks)**

(b) What are the control techniques to be checked to ensure security for client/server technology? **(8 Marks)**

(c) Describe four categories of risks that are to be considered during the transition from the mainframe (or PC) to client/server. **(10 Marks)**

Question 4

(a) List the various sources of acquiring the software. **(5 Marks)**

(b) Discuss four most compelling advantages of using a pre-written application package. **(5 Marks)**

(c) "The final step of the system implementation is its evaluation." What functions are being served by the system evaluation? Discuss development, operation and information evaluations. **(10 Marks)**

Question 5

(a) Write a detailed note on the expectations, fears and the ground realities that a corporate management faces during the post-implementation phase of ERP. **(10 Marks)**

(b) What do you understand by ON-LINE, REAL-TIME SYSTEMS? **(5 Marks)**

(c) For an On-line, Real-time sales order processing system, draw the systems flow chart. **(5 Marks)**

Question 6

(a) Substantiate with reasons to the view that there is a steep rise in the Internet Computer fraud. Why many institutions are unable to contain it? **(5+5=10 Marks)**

(b) Give an example of an Information Security Policy Statement. **(10 Marks)**

Question 7

Write short notes on the following: **(4×5=20 Marks)**

(a) Strategic and Tactical decisions.
(b) Business Process Re-engineering
(c) Encryption
(d) System Development Life-cycle.