

MCA (Revised)
Term-End Examination
June, 2007

**MCS-052 (S) : PRINCIPLES OF
MANAGEMENT AND INFORMATION
SYSTEMS**

Time : 2 hours

Maximum Marks : 50

Note : Question number 1 is **compulsory**. Attempt any **three** questions from the rest.

1. (a) Explain why organisations need to implement ERP solutions. What competitive advantage do these organisations get over other organisations ? 6
- (b) What is the purpose of Decision Support System in information systems ? Also, list the important characteristics of Decision Support System. 4
- (c) What role is played by information systems in improving quality management ? 6
- (d) What are the security threats to information systems ? Explain. 4

2. (a) What are the expert systems ? Illustrate the concept with an example. 5
- (b) What is an information system ? How are information systems used at various levels of business management ? 5
3. (a) What is portfolio management ? Explain the different value addition propositions achieved with the implementation of a portfolio management solution. 5
- (b) Explain the features of Transaction Processing System (TPS). Also, give any two examples. 5
4. (a) Explain the importance of ethics in information systems. 5
- (b) Differentiate between responsibility, accountability and liability. Explain their importance in information systems. 5
5. Write short notes on the following : $2\frac{1}{2} \times 4 = 10$
- (i) Risk Management
- (ii) Data Mining
- (iii) Total Cost of Ownership
- (iv) Vertical organisations