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MCA (Revised)
Term-End Examination
June, 2011

**MCS-052 : PRINCIPLES OF MANAGEMENT AND
INFORMATION SYSTEMS**

Time : 2 hours

Maximum Marks : 50

Note : Question No. 1 is compulsory. Attempt any three questions from the rest. Attempt all parts of same question together.

1. (a) Differentiate between horizontal and vertical organisations. Also, give an example for each. 5
- (b) Describe the tools used in requirement analysis of software design and its management. 5
- (c) How are "Discount Cash Flow" (DCF) and "Payback Period" important for the finance department of any organisation ? 5
- (d) "ERP implementation can improve the performance and efficiency of an organisation". Justify the statement with reasoning. 5

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| 2. | (a) | Define portfolio management. What are the methods used to carry it out ? Explain how it can be implemented ? | 6 |
| | (b) | How can decision support system be useful at different stages of management ? | 4 |
| 3. | (a) | How can the neural network method be used in market analysis ? Explain with an example. | 5 |
| | (b) | What is business intelligence report ? Explain its role in information systems. | 5 |
| 4. | (a) | How can office automation system help in improving efficiency and productivity ? Explain the features of any two such systems. | 6 |
| | (b) | Compare and contrast between Supply Chain management and Enterprise Resource planning. | 4 |
| 5. | (a) | What are the different applications of computer networks in information management ? | 5 |
| | (b) | Explain some of the security threats to information systems. Also, write solutions of these threats. | 5 |