

MCA (Revised)
Term-End Examination
June, 2015

07593

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

Time : 2 hours

Maximum Marks : 50

Note : *Question no. 1 is compulsory. Answer any three questions from the rest.*

1. (a) Why does management need an information system in an organization ?
List any three information systems. 4
- (b) What are Vertical and Horizontal Organizations ? Explain the benefits and organisational structure of vertical and horizontal organizations. 6
- (c) How do CRM systems support ERP systems ? 4
- (d) Briefly discuss the term "Portfolio Management". Write the steps to implement the Portfolio Management in an organization. 6
2. (a) Explain the interrelationship amongst MIS, DSS and ESS. How are they being supported by KWS and TPS of any Multinational Organization ? 5

- (b) What is meant by “Total Cost of Ownership” of an Information System ? Describe its various components. 5
3. (a) Explain the impact of convergence of various communication devices on e-SCM and ERP. 5
- (b) What are Business Intelligence tools ? Briefly discuss five Open Source Business Intelligence products. 5
4. (a) Explain Evolutionary algorithm and its branches. 5
- (b) What is Business Analytics ? How does it serve as change manager in an organization ? 5
5. (a) Compare and contrast the following : 5
- (i) Hacking and Cracking
- (ii) Cyber War and Cyber Terrorism
- (b) List and explain all acceptable stages of the organization life cycle. Briefly discuss the characteristics and the action to be performed at each listed stage. 5
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