MCA (Revised)

Term-End Examination

04202

June, 2019

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) Differentiate between Vertical and Horizontal organizations. Give an example for each.   5

    (b) List and describe the tools used in requirement analysis of software design and its management.   5

    (c) What are "Discounted Cash Flow" (DCF) and "Payback Period" ? How are they important for finance department of any organization ?   5

    (d) "ERP implementation can improve the performance and efficiency of an organization." Justify the statement with reasoning.   5

2. (a) Write short notes on any *two* of the following : 5

    (i)   SCM

    (ii)   ERP

    (iii) CRM

  (b) Explain the term TPS. Mention five of its functional categories. 5

3. (a) Compare and contrast the following : 5

    (i)   Expert systems and Fuzzy expert systems

    (ii)   MOLAP and ROLAP

  (b) What is meant by "Total Cost of Ownership (TCO)" of an information system ? Describe its various components. 5

4. (a) What is Business Intelligence ? Discuss the role of Business Intelligence report in an information system. 5

  (b) Explain some of the security threats to information systems. Mention some of the solutions to these threats. 5

5. (a) Define Portfolio Management. What are the methods used to carry it out ? Explain how it can be implemented. 5

  (b) Explain the term "Business Analytics as change manager". Name any three available business analytics. 5