

10494

MCA (Revised)
Term-End Examination
December, 2015

**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) Describe the tools used for requirement analysis of software design and its management. 5
- (b) Justify the statement, "Portfolio management application integrates all project related information." 5
- (c) How are Genetic algorithm techniques useful in business analysis ? Give an example to justify the answer. 5
- (d) What is Management Information System (MIS) ? Explain its uses in an organisation. 5
2. (a) Explain the usage of Discounted Cash Flow and Payback Period for the Finance department of an organization. 5
- (b) What is the impact of web enabled ERP on SCM ? 5

3. (a) Explain the usage of OLAP reporting along with its type in DSS of any organization. 5
- (b) How does the intelligent information system improve the quality of management of any organization ? 5
4. (a) Compare and contrast Conventional Artificial Intelligence and Computational Intelligence techniques. 5
- (b) Explain the term DSS. Classify the decision support systems at user level, conceptual level and system level. 5
5. (a) Compare and contrast the following : 4
- (i) First and Second Generation of Knowledge Management
- (ii) Inferential and Factual Knowledge
- (b) Explain the steps of financial evaluation of any project by an organization. How does NPV and ECV play a major role in the calculation of the project ? 6
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