

**MASTER OF COMPUTER
APPLICATIONS (MCA) (REVISED)**

Term-End Examination

December, 2023

**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.*

1. (a) Define Organisation. Give *five* common characteristics of an organisation. Briefly discuss the classification of organisation at macro level. 5
- (b) Describe the tools used for requirement analysis of software design and its management. 5
- (c) Justify the statement “Portfolio management application integrates all project related information”. 5
- (d) How are Genetic Algorithm techniques useful in business analysis ? Give an example in support of your answer. 5

2. (a) Discuss the terms 'Discounted Cash Flow' and 'Payback Period'. Give the utility of both, for finance department of any organisation. 5
- (b) What is Total Cost of Ownership (TCO) ? Discuss the cost factors, which should go into the computation of the TCO of any system. 5
3. (a) Explain, what problems the company will face, if they develop ERP package in-house. 5
- (b) Briefly discuss the principles of fair information practices. 5
4. (a) Differentiate between the following : 5
- (i) Hacking and Cracking
- (ii) Cyber war and Cyber terrorism
- (b) How does the Intelligent Information System improve the quality of management of any organization ? 5
5. Write short notes on the following (give suitable diagram/example) : $4 \times 2 \frac{1}{2} = 10$
- (a) Vertical Organizations
- (b) Virtual Organizations
- (c) Internet Service Provider (ISP)
- (d) Evolutionary algorithm and its branches