

**MCA (Revised)**  
**Term-End Examination**  
**June, 2022**

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

*Time : 2 hours*

*Maximum Marks : 50*

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

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1. (a) Name the systems, which are operational at the following levels of organisation : 5
- (i) Strategic level
  - (ii) Management level
  - (iii) Knowledge level
  - (iv) Operational level
- (b) Briefly discuss the ACID test properties of a Transaction Processing System (TPS). 5
- (c) How does an ERP differ from conventional packages ? Discuss the phased implementation approach for implementing an ERP. 5

- (d) Write short notes on any **two** of the following : 5
- (i) Data Diddling
  - (ii) Salami Slicing
  - (iii) Spoofing
2. (a) How does Function Oriented Organisation structure differ from Process Oriented Organisation structure ? Give example for each. 5
- (b) Explain the term Total Cost of Ownership (TCO) of an information system. What are the indirect costs which need to be considered for TCO calculation ? 5
3. (a) Describe the term “Portfolio Management”. Briefly discuss the basic steps for the implementation of portfolio management. Also list the advantages of portfolio management. 5
- (b) Differentiate between ERP and CRM. 5
4. (a) What is Business Analytics ? Explain how it serves as a change manager in an organisation. 5
- (b) What do you understand by OLAP ? Compare MOLAP, ROLAP and HOLAP. 5

5. Write short notes on the following :

$$4 \times 2 \frac{1}{2} = 10$$

- (a) NPV
  - (b) IRR
  - (c) DCF
  - (d) Payback Period
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