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Total No. of Questions: 09

Total No. of Pages: 02

**MCA (Sem. 1)**  
**INFORMATION MANAGEMENT**  
**Subject Code: MCA-101**  
**Paper ID: 72707**

Time: 3 Hrs.

Max. Marks: 60

**INSTRUCTIONS TO CANDIDATES:**

1. Section A, B, C & D contains TWO questions carrying TEN marks each and students have to attempt any ONE question from each section.
2. Section E is COMPULSORY consisting of TEN questions carrying TWO marks each.

**SECTION A**

1. What are the different generations of Computers and Operating Systems? State examples of each generation.
2. Compare various kinds of storage (HDD, Flash drives, RAM) on the basis of type, capacities, technology used.

**SECTION B**

3. What are the different generations of telecommunication technologies in India (starting from 1G to 4G)? Compare them on the basis of technology innovation, data rates and applications.
4. What is the difference between Information vs Knowledge? What do you understand by Information Management and what techniques help you derive information?

**SECTION C**

5. Define EACH of the following systems theory concepts, and show how they are interrelated:  
i) Planning      ii) Control      iii) Feedback
6. List THREE advantages and THREE disadvantages of group decision making over individual decision making.

**SECTION D**

7. For EACH of the following desktop Office Information Systems (OIS) tools, describe its key features and how it supports group work: i) Desktop videoconferencing ii) Document authoring software

**8.** Describe the following Office Automation Tools:

- a. Email clients (outlook vs web client)
- b. Word processing and Presentation

### **SECTION E**

**9. Answer briefly:**

- a) What is use of a USB drive?
- b) What are the different types of data file-formats?
- c) What is a Broadband Communications?
- d) What do you understand by Data Collection and Data Management Activity?
- e) What do you understand by an MIS?
- f) What do you understand by Information Security?
- g) What mechanism can be adopted to secure Information?
- h) What do you understand by Office Automation?
- i) What is Access Control?
- j) What do you understand by a CMS?