

**MCA**  
**(SEM IV) THEORY EXAMINATION 2017-18**  
**MANAGEMENT INFORMATION SYSTEM**

*Time: 3 Hours*

*Total Marks: 100*

**Note:** Attempt all Sections. If require any missing data; then choose suitably.

**SECTION A**

**1. Attempt *all* questions in brief. 2 x 10 = 20**

- a. What do you mean by personal information system?
- b. What is risk with related to information system?
- c. What are components of information system?
- d. List the various phases of SDLC model.
- e. Differentiate between verification and validation.
- f. What is EIS?
- g. What does coding techniques mean.
- h. What id DFD?
- i. What do you mean by business model?
- j. Define software security.

**SECTION B**

**2. Attempt any *three* of the following: 10 x 3 = 30**

- a. What are the advantages of computerized information system over manual information system?
- b. What is the role of Database in the MIS? Discuss it using example.
- c. Define transaction processing system. Discuss it using an example.
- d. What is the concept of balanced MIS? What are its effectiveness and efficiency criteria?
- e. Describe the purpose of management information in relation to an organization's functional monitoring and control.

**SECTION C**

**3. Attempt any *one* part of the following: 10 x 1 = 10**

- (a) Compare the terms, 'data', 'information' and 'knowledge'. Show how these are positioned on an Information Pyramid.
- (b) Expand on the term 'Business Process Reengineering'. Give four reasons for its use in an organization.

**4. Attempt any *one* part of the following: 10 x 1 = 10**

- (a) Discuss Supply Chain Management (SCM), including the *goals* of this type of management and the causes of *potential problems* when an organization uses SCM.
- (b) Define E-commerce. Discuss B2B and B2C using suitable example

**5. Attempt any *one* part of the following: 10 x 1 = 10**

- (a) Describe the responsibilities of an Information Technology Department when

establishing an information system within an organization.

- (b) What is Procurement system? If you were appointed as a system manager, How would you design Procurement system for your manufacturing organization?

**6. Attempt any *one* part of the following: 10 x 1 = 10**

- (a) What are the characteristics of MIS? How do MIS differ from TPS?
- (b) Why are controls needed for information systems? What are the various types of information system controls?

**7. Attempt any *one* part of the following: 10 x 1 = 10**

- (a) Discuss the role of planning in modern business organization and also discuss the various steps involved in planning process .
- (b) Explain the concept of Enterprise Resource Planning. How it can be implemented in a process control industry? Use suitable example to explain it .

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