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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.

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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

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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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