

Professional Course Examination, May 2023
(6th Semester)

BACHELOR OF COMPUTER APPLICATIONS
(**Management Information System**)

Full Marks : 75

Time : 3 hours

The figures in the margin indicate full marks for the questions

(PART : A—OBJECTIVE)

(Marks : 25)

SECTION—I

(Marks : 15)

A. Tick (✓) the correct answer in the brackets provided : 1×10=10

1. A _____ can be described simply as a set of elements joined together for a common objective.

- (a) system ()
- (b) sub-system ()
- (c) data ()
- (d) None of the above ()

2. _____ systems serve the monitoring, controlling, decision-making and administrative activities of middle managers.
- (a) Knowledge level ()
 - (b) Operational level ()
 - (c) Management level ()
 - (d) None of the above ()
3. _____ decides the sequence and extent of processing among data contained in input, storage and output.
- (a) Arithmetic unit ()
 - (b) Logic unit ()
 - (c) Control unit ()
 - (d) None of the above ()
4. The _____ puts in symbolic form what has been described in narrative form of the system description.
- (a) data flow diagram ()
 - (b) flowchart ()
 - (c) Class diagram ()
 - (d) None of the above ()
5. The _____ is, in a sense, a proposal for the expenditure of funds and for organizational changes.
- (a) general system flow ()
 - (b) gross design report ()
 - (c) establishing system constraints ()
 - (d) All of the above ()

6. The establishment of cost and resource targets for a planned series of periods in advance is called
- (a) project budgeting ()
 - (b) sequence planning ()
 - (c) project scheduling ()
 - (d) All of the above ()
7. For obtaining information, the designer utilizes _____ as sources for the design of the MIS.
- (a) taskforce meetings ()
 - (b) personal interviews ()
 - (c) internal and external source documents ()
 - (d) All of the above ()
8. Which of the following is involved in the software development process?
- (a) Develop standards and procedures ()
 - (b) Study the gross system specifications ()
 - (c) Test the program ()
 - (d) All of the above ()
9. Tests of the installation stage consist of
- (a) component test ()
 - (b) system test ()
 - (c) total system acceptance test ()
 - (d) All of the above ()

10. Space planning must take into account the space occupied by _____ in the work process.

- (a) people ()
- (b) equipment ()
- (c) movement of people and equipment ()
- (d) All of the above ()

B. Tick (✓) whether the following statements are *True (T)* or *False (F)* : 1×5=5

1. Transaction processing systems (TPS) are the basic business systems that serve the operational level of the organization.

(T / F)

2. Storage is somewhat like a huge electronic filing cabinet, completely indexed and accessible instantly to the computer.

(T / F)

3. The value of systems lies in the efficiency of transactions, not in benefits to their users.

(T / F)

4. Trade-off criteria are those in which the criterion for the performance of an activity may be reduced to decrease the performance of another activity.

(T / F)

5. Reporting and control of the work in progress may be obtained by weekly meetings of the key people involved or by brief written progress reports.

(T / F)

SECTION—II

(Marks : 10)

C. Answer the following questions :

2×5=10

1. What is the meaning and role of Management Information System?

OR

How data differ from information? Mention different types of information.

2. What is the operation of MIS?

OR

How do you use MIS as a technique for making programmed decisions?

3. What is project planning in MIS?

OR

What are the objectives of conceptual design?

4. Write a note on tradeoff criteria.

OR

Who are involved in selecting software, hardware and tools proposed to operate the system in organization? Mention their functions.

5. What is floor space and planning space layout?

OR

What are the fundamental weaknesses in MIS development?

(PART : B—DESCRIPTIVE)

(Marks : 50)

D. Answer the following questions : 10×5=50

1. (a) Define the term System in Management Information System. What are the major/main reasons to accelerate the system approach? 2+8=10

OR

- (b) (i) What is the role of managers in an organization?
(ii) How can businesses use information systems for competitive advantage? 5+5=10
2. (a) Define the term Personnel Information System in MIS. Briefly explain the major subsystem/elements to accomplish the objective of manpower management. 2+8=10

OR

- (b) What are computer-based systems in MIS? Elaborate on the various steps involved in the conversion of a manual to a computer-based system. 2+8=10
3. (a) How do you determine information needs? Explain the personal attributes and organizational environment to determine information needs. 2+8=10

OR

- (b) How do you determine information sources during conceptual design? Discuss various approaches to determine information and write the three types of information categories. 2+8=10
4. (a) Define sub-system. Elaborate on the objective of information for defining sub-system. 2+8=10

OR

- (b) What is documentation in MIS? Explain the various steps/components of documenting the detailed design of a system. 2+8=10
5. (a) Discuss various pitfalls in soft spots planning that may interfere during the development of a Management Information System. 10

OR

- (b) Write the importance and steps of operating personnel training. Discuss how computer-related acquisitions are accomplished in MIS. 5+5=10

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