2 0 1 5

(3rd Semester)

BACHELOR OF COMPUTER APPLICATION

Paper No. : BCA–301

(Management Information System)

(New Course)

Full Marks : 75

Time : 3 hours

(PART : B—DESCRIPTIVE)

(*Marks* : 50)

The figures in the margin indicate full marks for the questions

1. *(a)* Define MIS. Briefly explain different types of information system at management level.   10

Or

   (b) *(i)* Explain the system view of business.   5

   (ii) What is organizational theory in MIS?   5

2. *(a)* What is decision-making? Explain how MIS is a technique for making programmed decisions.   3+7=10

Or

  (b) *(i)* Explain different reporting techniques and reporting problems in MIS.   5

     (ii) What are different decision assisting information in MIS?   5

3. *(a)* What are different steps in conceptual system design? Explain the importance of developing alternative conceptual design.   5

  (b) Explain different types of system constraint.   5

4. *(a)* Explain the importance of identifying the domain criteria and trade-off criteria. State the difference between domain criteria and trade-off criteria.   10

Or

  (b) What are the four principal sources utilized by the designers for obtaining information? Explain.   10

5. (a) What do you mean by documentation of MIS system? What are different types of MIS documentation? What will happen, if a system is not properly documentated?

2+6+2=10

Or

(b) What are the fundamental weaknesses that occur during development of MIS? Explain any three points. 10

★ ★ ★

2 0 1 5

(3rd Semester)

BACHELOR OF COMPUTER APPLICATION

Paper No. : BCA-301

(Management Information System)

(New Course)

(PART : A—OBJECTIVE)

(*Marks* : 25)

The figures in the margin indicate full marks for the questions

SECTION—I

(*Marks* : 15)

1. Put a Tick (✓) mark against the correct answer in the brackets provided :   1×10=10

   (a) A set of elements joined together for a common objective is

      (i) information   (   )

      (ii) system   (   )

      (iii) structure   (   )

      (iv) block   (   )

(b) —— is commonly used to evaluate market elements which affect the profitability of a business.

  (i) MIS   (   )

  (ii) System   (   )

  (iii) Systems approach   (   )

  (iv) Quantitative measure   (   )

(c) —— is concerned with the structure of interpersonal relations and the organization as a mechanism for promoting human collaboration.

  (i) Organizational theory   (   )

  (ii) Management theory   (   )

  (iii) Dynamic decision-making   (   )

  (iv) None of the above   (   )

(d) A routine or repetitive decision that can be handled by established business rules or procedures is

  (i) unstructured decision   (   )

  (ii) managerial decision   (   )

  (iii) programmed decision   (   )

  (iv) sub-decision   (   )

(e) In which of the following designs the feasibility of meeting the management objectives for the MIS is assessed and a broad picture of the system is analyzed?

   (i) Detailed design   (   )

   (ii) Conceptual system design   (   )

   (iii) Feasibility study   (   )

   (iv) None of the above   (   )

(f) MIS conceptual design documentation consists of

   (i) overall system flow   (   )

   (ii) system input   (   )

   (iii) system output   (   )

   (iv) All of the above   (   )

(g) The criteria in which the criterion for performance of an activity may be reduced to increase performance of another activity are

   (i) dominant criteria   (   )

   (ii) trade-off criteria   (   )

   (iii) project planning   (   )

   (iv) None of the above   (   )

(4)

(h) Block diagrams showing the relationships among various tasks or activities are

   (i) task-oriented charts   (   )

   (ii) form-oriented charts   (   )

   (iii) program flowcharts   (   )

   (iv) None of the above   (   )

(i) Which of the following is not included in the implementation plan?

   (i) Initial installation   (   )

   (ii) Test of the system as a whole   (   )

   (iii) Initial coding and design   (   )

   (iv) Evaluation, maintenance and control of the system   (   )

(j) Acquisition consists of bringing on site

   (i) hardware and software   (   )

   (ii) hardware, software, personnel and materials   (   )

   (iii) files   (   )

   (iv) None of the above   (   )

2. State whether the following statements are *True* (*T*) or *False* (*F*) : 1×5=5

(a) One of the best known but least substantiated models is the 'hierarchy of needs' classification was developed by the psychologist, A.H. Maslow.

(T / F)

(b) MIS is new, only its computerization is not new.

(T / F)

(c) Environmental change consists of governmental policies, regulations and legislation.

(T / F)

(d) Planning involves deciding in advance what is to be done in the future.

(T / F)

(e) Internal constraints may include constraints imposed by the customers, the government and the suppliers.

(T / F)

SECTION—II

(*Marks* : 10)

3. Answer the following questions :   2×5=10

(a) What do you mean by system approach?

(b) Explain the difference between programmed decisions and nonprogrammed decisions.

(c)   What is conceptual design?

(d) What is project control?

(e) What do you mean by cutover method?

★ ★ ★