Student's Copy

Professional Course Examination, November/December 2019

(3rd Semester)

BACHELOR OF COMPUTER APPLICATIONS

Course : BCA–301

(**Management Information Systems**)

Full Marks : 75

Time : 3 hours

(**PART : A—OBJECTIVE**)

(*Marks* : 25)

The figures in the margin indicate full marks for the questions

SECTION—A

(*Marks* : 15)

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

1. Technological advances, resulting partly from research and development, partly from growing customer satisfaction, have resulted in the third cause of complexity.
   (a) Product change   (   )
   (b) Research and development   (   )
   (c) Technological revolution   (   )
   (d) Information explosion   (   )

2. Any small group that forms to gain some special power or social advantages is called
   (a) large group   (   )
   (b) primary cliques   (   )
   (c) cliques   (   )
   (d) isolates   (   )

3. The required equal employment opportunity for all applicants regardless of race, sex and so on is
   (a) affirmative action   ( )
   (b) equal employment opportunity   ( )
   (c) employee retirement income security act   ( )
   (d) occupational safety   ( )

4. Cost and resources targets must be established for a work package by
   (a) performing organization   ( )
   (b) funding organization   ( )
   (c) elements of cost—labor, materials and facilities   ( )
   (d) All of the above   ( )

5. Which one is not included in the three levels of management?
   (a) Strategic planning   ( )
   (b) Management control   ( )
   (c) Operational control   ( )
   (d) Managerial style   ( )

6. _____ is constructed to trace the flow of information from the origin to destination and to arrange this flow in chronological sequence that shows the progression of information through the organization.
   (a) Flowchart   ( )
   (b) Multidimentional flow   ( )
   (c) Data analysis   ( )
   (d) Input/Output analysis   ( )

7. Block diagram showing the relationship among the various activities is
   (a) form-oriented chart   ( )
   (b) task-oriented chart   ( )
   (c) program flowchart   ( )
   (d) multidimensional chart   ( )

8. Two principal blocks of information are
   (a) conceptual design and detailed design   ( )
   (b) conceptual design and dominant and trade-off criteria   ( )
   (c) detailed design and dominant and trade-off criteria   ( )
   (d) dominant and trade-off criteria   ( )

9. Find the reason for the illustration, "Clerical personnel fear loss of job".
   (a) Threat to status   ( )   *(b)* Threat to ego   ( )
   (c) Economic threat   ( )   *(d)* Loss of autonomy   ( )

10. Phase(s) in implementation of MIS is/are
    (a) initial installation   ( )   *(b)* test the system   ( )
    (c) evaluation   ( )   *(d)* All of the above   ( )

Indicate whether the following statements are *True (T)* or *False (F)* by putting a Tick (✓) mark in the brackets provided :   1×5=5

11. Policies are statements that attempt to inform and guide employees.

(T / F)

12. Budgeting is not wholly futuristic.

(T / F)

13. Conceptual design is also called gross design.

(T / F)

14. Detailed design gives the overall performance specifications for the MIS.

(T / F)

15. Cut over is the point at which the new component replaces the old component or the new system replaces the old system.

(T / F)

SECTION—B

(*Marks* : 10)

Answer the following questions :   2×5=10

16. Why do we need motivation?

17. Write a short note on sequence planning.

18. How do you define the problems for designing MIS?

19. What are the aims of detailed design in MIS?

20. What are the activities that consist of maintenance in MIS?

(PART : B—DESCRIPTIVE)

(*Marks* : 50)

The figures in the margin indicate full marks for the questions

1. (a) Describe the three positive procedures for effecting change without resistance of organization behavior. 10

    OR

    (b) Explain the common specific reasons result in resistance of the MIS. 5

    (c) Explain the management, information and system approaches. 5

2. (a) Discuss the six characteristics of the type of information that lend itself best to computer use. 6

    (b) Differentiate between programed and non-programed decisions. 4

    OR

    (c) Explain the key step factors in project success. 6

    (d) What are the methods of reporting system for a project? 4

3. (a) Elaborate the constraints on MIS design. 10

    OR

    (b) Discuss the different sources of information in conceptual design. 6

    (c) What are the important characteristics of the conceptual design flowchart? 4

4. (a) Identify the specific factors that should be considered in form design. 10

    OR

    (b) Discuss the steps in project planning management in detailed system design. 5

    (c) Write how the documentations consist of the detailed project design. 5

5. (a) Identify the major implementation tasks of project planning. 6

    (b) What are the documentations that consist of a manual information system? 4

    OR

    (c) Explain the reasons for severe problems in the area of MIS maintenance. 5

    (d) Explain the four pitfalls to watch for in MIS implementation. 5

★ ★ ★