1128
M.Com. (M.E.F.B.) Third Semester
FB-305: Computers in Family Business Management

Time allowed: 3 Hours   Max. Marks: 80

NOTE: Attempt five questions in all, selecting atleast two questions from each Unit.

x-x-x

UNIT – I

I. a) Using example describe the different types of software used by managers.
    b) What makes spreadsheet software suitable for managers?   (10,6)

II. a) Describe the composition of Human Resource Management System.

    b) What are its advantages and disadvantages?   (10,6)

III. Explain the features of computer based financial systems that help a SME manager in effective decision making.   (16)

IV. Illustrate how computer based inventory system helps decision making in production and inventory control.   (16)

V. a) Elaborate the role of research in management decision making.

    b) Explain any one decision making technique.   (8,8)

UNIT – II

VI. Solve the following Linear Programming Problem using simplex method:
    Maximize $z = 2x_1 + 4x_2 + x_3 + x_4$
    Subject to the constraints:

$$x_1 + 3x_2 + x_4 \leq 4$$
$$2x_1 + x_2 \leq 3$$
$$x_2 + 4x_3 + x_4 \leq 3$$
$$\text{and } x_1, x_2, x_3, x_4 \geq 0.$$ (16)

VII. a) What is Information System?

    b) Describe the steps involved in its development.   (4,12)

VIII. a) Differentiate between PERT and CPM.

    b) Graphically solve the LPP.
       Minimize $z = 45x_1 + 80x_2$
       Subject to the constraints:
$$5x_1 + 20x_2 \leq 400$$
$$10x_1 + 15x_2 \leq 450$$
$$\text{and } x_1, x_2 \geq 0.$$ (8,8)

IX. Write short note on:-
   a) Transportation Models
   b) Management Information System (8,8)

X. a) What is System Analysis and Design?
   b) Explain the different types of Design involved in system development. (8,8)

x-x-x