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& Lab Programs



Fifure Vision By K B Hemanth Raj

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

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## Module-5

3

800

D

A

B

maximize the total returns.

the unit production cost from the factories to dealers. Determine the optimum solution to

Di

2

3

2

500

 $D_4$ 

4

2

1

400

1000

700

900

9 a. Write short notes on : i) Simulated annealing algorithm i) Tabu search algorithm. (08 Marks)
b. Using dominance concept, obtain the optimal strategies for both the players and determine the value of game. The payoff matrix for the players is given below.

		Player B					
		2	-2	4	1		
	Discos A	6	1	12	3		
	Player A	-3	2	0	6		
		2	-3	7	7	(08 Mar)	ks)
100 Miles		OR					

10 a. Define the following with reference to game theory : i) Mixed strategy ii) Two person – zero – sum game iii) Pure strategy iv) Saddle point. (08 Marks)
 b. Solve the following game graphically :

Player B Player A  $\begin{array}{r} 8 & 5 & -7 & 9 \\ -6 & 6 & 4 & -2 \end{array}$ 

(08 Marks)

(10 Marks)

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