

## CO2

7.	Illustrate the concept of local beam search algorithm.	choice Q-8		4.5Marks
8.	Describe the characteristics of Genetic Algorithm (GA).			4.5Marks
9.	Illustrate the logic of Mini-max Algorithm with suitable example.	choice Q-10		8Marks
10.	Compare Steepest Ascent Hill Climbing algorithm with Simple Hill Climbing algorithm.			8Marks
11.	Define Constraint Satisfaction Problem. Outline the concept of Backtracking in CSP. Demonstrate Backtracking logic with the help of 4-queens problem.	choice Q-12		12.5Marks
12.	<p>Outline the concept of Constraint Satisfaction Problem (CSP). Apply the CSP logic to solve the following crypt arithmetic problem.</p> <div style="text-align: center;"> <p>EAT</p> <p>+ THAT</p> <p>-----</p> <p>APPLE</p> </div>			12.5Marks