## Module-II: (12 Hrs.)Fundamental Algorithmic Strategies: Brute-Force:

## Linear search, selection sort, Greedy: Huffman coding,

## Fractional knapasack problem

## Activity selection Problem, Dynamic **Programming:**

## matrix chain multiplication, Longest common subsequence, Travelling Salesman Problem, Branch- and-Bound and Backtracking methodologies for the design of algorithms; Illustrations of these techniques for Problem-Solving , Bin Packing, Knap Sack TSP. Heuristics – characteristics and their application domains.