## **Question Bank for LP-II Practical Examination**

1)	Implement depth first search (DFS) algorithm and breadth first search (BFS) algorithm. Use an application for undirected graph and develop a recursive algorithm for searching all the vertices of a graph or tree data structure. Also print the levels as it traverses for both algorithms.
2)	Implement A Star Algorithm for any game search problem.
3)	Implement Greedy Search algorithm on some application for :  I. Minimum Spanning Tree <b>OR</b> II. Single-Source Shortest Path Problem
4)	Implement Greedy Search algorithm on some application for :  I. Job Scheduling Problem <b>OR</b> II. Prim's Minimal Spanning Tree algorithm
5)	Implement Greedy Search algorithm on some application for :  I. Kruskal's Minimum Spanning Tree algorithm <b>OR</b> II. Dijkstra's Minimum Spanning Tree algorithm
6)	Implement a solution for a Constraint Satisfaction Problem using Branch and Bound; and Backtracking for n-queens problem <b>OR</b> a graph coloring problem
7)	Develop an elementary chat bot for any suitable customer interaction application.
8)	Implement <b>any one</b> of the following Expert System which will give expert opinion:  I Information management  II Hospitals and medical facilities  III Help desk management  IV Employee performance evaluation  V Stock market trading  VI Airline scheduling and cargo schedules
9)	CC: Create following application in SalesForce.com using Apex Programming Language: i. Mathematical Calculator ii. Generate student mark sheet
10)	<b>CC:</b> Create following application in SalesForce.com using Apex Programming Language: To find greatest among three numbers
11)	CC: Create following application in SalesForce.com using Apex Programming Language: i. For a given unit generate or calculate electricity bill ii. To convert degree Celsius to Fahrenheit
12)	<b>CC:</b> Create an application of currency converter in SalesForce.com using Apex Programming Language

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