AI

Question Bank

Helping Others Have Special taste

Question

1-..... is called Backward Reasoning

A. Deduction Techniques
B. Abduction Techniques
C. Induction Techniques
D. none of them

2-..... is called Forward Reasoning

A. Deduction Techniques
B. Abduction Techniques
C. Induction Techniques
D. none of them

3-..... is used in building and programming neural networks.

A. Deduction Techniques
B. Abduction Techniques
C. Induction Techniques
D. none of them

4-.....is the logical process of inferring unknown facts from known data and moving forward using determined conditions and rules until a goal is reached.

A. Forward chaining
B. Backward chaining
C. all of above
D. none of above

5-.....starts with the goal and works backward chaining through rules to find known facts that support the goal.

A. Forward chaining
B. Backward chaining
C. all of above
D. none of above

6-All of them are Heuristic Searches except……

A. Hill Climbing Algorithm
B. Best First Algorithm
C. Breadth-First Search Algorithm
D. A Algorithm
E.

7-All of them are Generative Searches except……

A. Genetics Algorithms
B. Bee Algorithm
C. Ant Colony Algorithm
D. Hill Climbing Algorithm

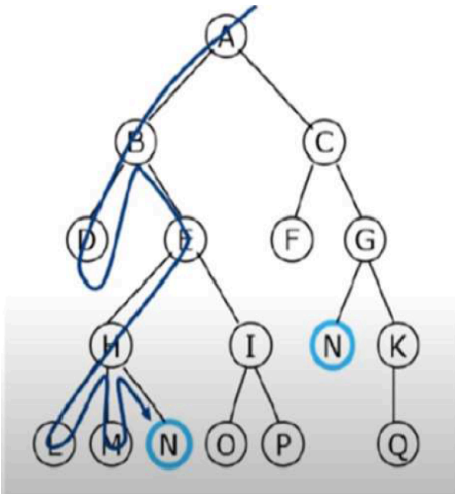
8-.....starts with the initial node of graph G and goes deeper until we find the goal node or the node with no children.

A. Breadth-First Search Algorithm
B. Depth-First Search Algorithm
C. Ant Colony Algorithm
D. Hill Climbing Algorithm

9-.....starts at the tree's root or graph and searches/visits all nodes at the current depth level before moving on to the nodes at the next depth level.

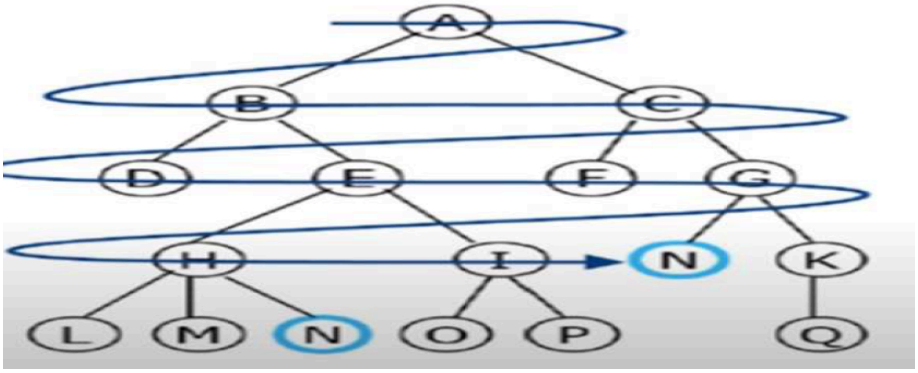
A. Breadth-First Search Algorithm
B. Depth-First Search Algorithm
C. Ant Colony Algorithm
D. Hill Climbing Algorithm

10-This path can represent ……



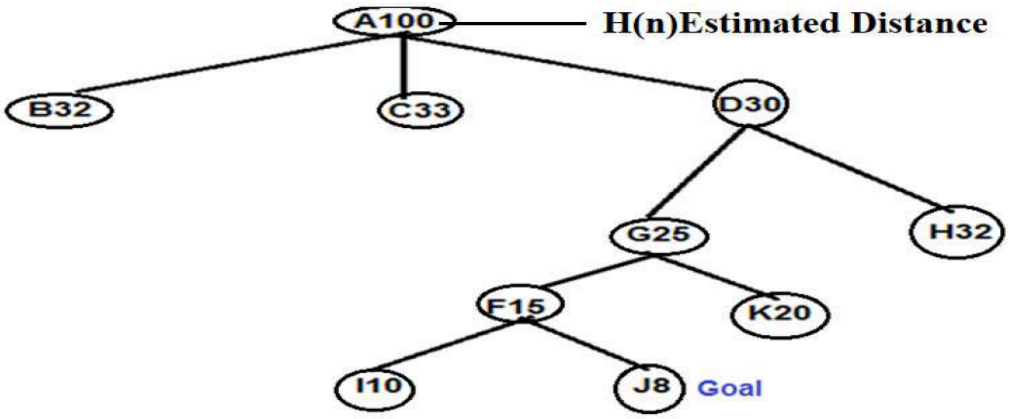
A. Breadth-First Search Algorithm
B. Depth-First Search Algorithm
C. all of them
D. none of them

10-This path can represent ……



A. Breadth-First Search Algorithm
B. Depth-First Search Algorithm
C. all of them
D. none of them
E.

11-According to hill climbing algorithm the path will be …..



a) A→ D→ G→ F→ J
b) A→B→ D→ G→ F→ J
c) A→ C→D→ G→ F→ J
d) A→ D→H→ G→ F→ J

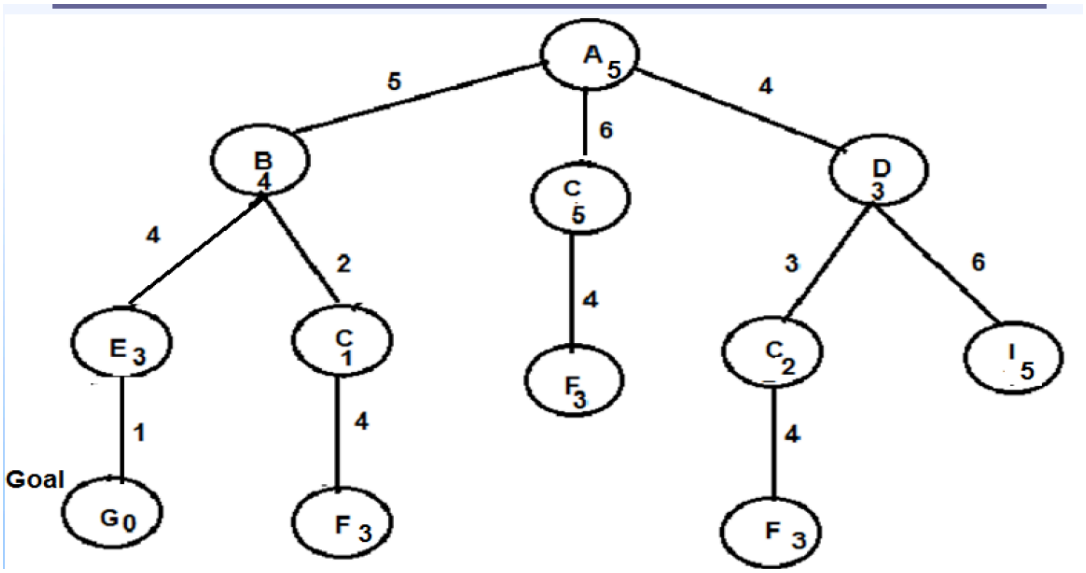
12-..... does not have the ability to keep previous nodes because there is no memory,

A. Breadth-First Search
B. Depth-First Search
C. Best First
D. Hill Climbing

13-.....have the ability to keep previous nodes because there is a memory,

A. Breadth-First Search
B. Depth-First Search
C. Best First
D. Hill Climbing

14-According to best first algorithm the path will be …..



a)[A5, D3,C2, F3, B4, C1, E3, G0]

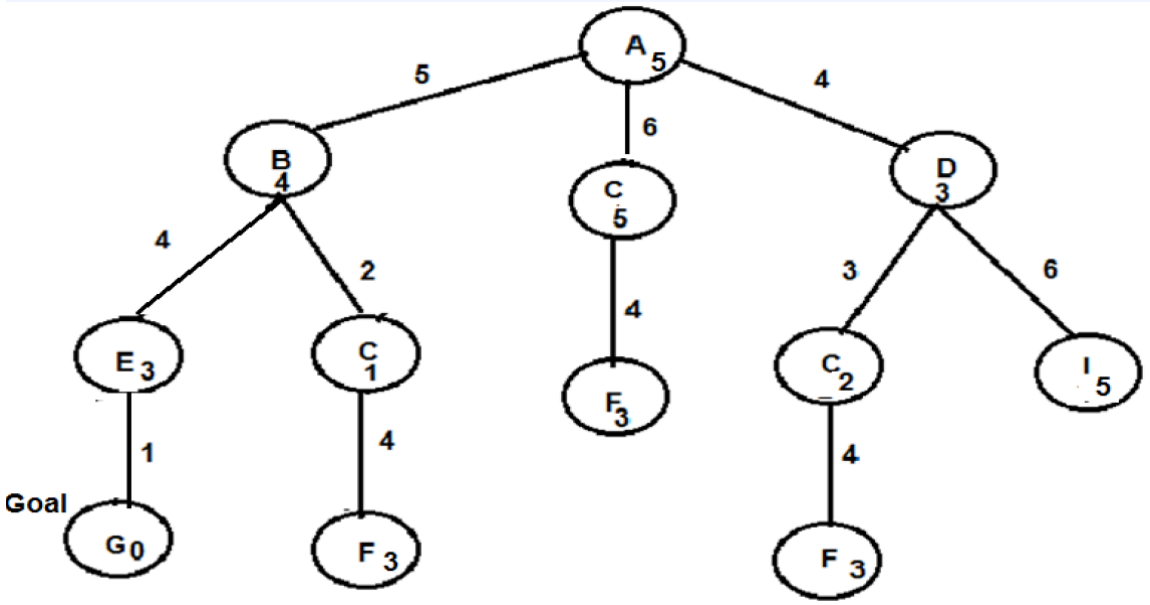
b)[A5, D3,C2, F3, B4, C1,F3, E3, G0]

c)[A5, D3, F3, B4, C1,F3, E3, G0]

d)otherwise

15-According to best first algorithm the path cost will be …..

a)36 b)34 c)38 d)40



16-.....is used to find the shortest path between an initial and a final point.

A. A* Algorithm
B. Depth-First Search
C. Best First
D. Hill Climbing

17-.....is a handy algorithm that is often used for map traversal to find the shortest path to be taken.

A. A* Algorithm
B. Depth-First Search
C. Best First
D. Hill Climbing

18-.....is the first step in the genetic algorithm process. Population is a subset of solutions in the current generation

A. Initial Population.
B. Fitness Function
C. Reproduction
D. Mutation

19-.....is a set of chromosomes and usually created randomly

A. Initial Population.
B. Fitness Function
C. Reproduction
D. Mutation

20-which of the following is not a solution representation in genetic algorithms……

A. binary valued
B. real valued
C. permutation
D. combinations

21-.....is generating offspring from two selected parents

A. Initial Population.
B. Fitness Function
C. crossover
D. Mutation

22-In uniform crossover ,……..determines which bits are copied from one parent and which from the other parent

A. The mask
B. Bit density in mask
C. all of them
D. otherwise

23- In uniform crossover ,……..determines how much material is taken from the other parent (takeover parameter)

A. The mask
B. Bit density in mask
C. all of them
D. otherwise

24-Generally the chance of mutation is …..

A. high
B. low
C. ”we don’t know”
D. otherwise

Answers

Question	Answer
1	A
2	B
3	C
4	A
5	B
6	c
7	D
8	B
9	A
10	B
11	A
12	D
13	C
14	D
15	A
16	A
17	A
18	A
19	A
20	D
21	C
22	A
23	B
24	B

We Hope we could Help You

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