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[_____] [Search]

Question 1
Not yet answered
Marked out of 1.00
⚑ Flag question
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A solution to a problem is a path from the initial state to a goal state. Solution quality is measured by the path cost function, and an optimal solution has the highest path cost among all solutions.

Select one:
- ○ a. False
- ○ b. True

Question 2
Not yet answered
Marked out of 1.00
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In an uninformed search technique, the search algorithm is guided by ;

Select one or more:
- ☐ a. The initial state
- ☐ b. Path cost
- ☐ c. Heuristic function
- ☐ d. Goal state

Question 3
Not yet answered
Marked out of 1.00
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.... are means for transforming the problem from one state to another.

Select one:
- ○ a. Search tree
- ○ b. Heuristic functions
- ○ c. States
- ○ d. Operators/ Rules

Question 4
Not yet answered
Marked out of 1.00
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What is state space?

Select one:
- ○ a. A space where you know the solution
- ○ b. Your definition to a problem
- ○ c. The whole problem
- ○ d. Representing your problem with variable and parameter
- ○ e. Problem you design

Question 5
Not yet answered
Marked out of 1.00
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A problem in a search space is defined by?

Select one:
- ○ a. Goal test
- ○ b. All of these
- ○ c. Path cost

Question 6
Not yet answered
Marked out of 1.00
⚑ Flag question
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How many parts does a problem consists of?

Select one:
- ○ a. 1
- ○ b. 3
- ○ c. 2
- ○ d. 4

Question 7

Not yet answered

Marked out of 1.00

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The major component/components for measuring the performance of problem solving are;

Select one or more:

☐ a. Space complexity

☐ b. Time complexity

☐ c. Optimality

☐ d. Completeness

Question 8

Not yet answered

Marked out of 1.00

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.... is a set of possible permutation that can be examined by a search method in order to find a solution.

Select one:

○ a. Fraction

○ b. Search space

○ c. None of these

○ d. Formula

Question 9

Not yet answered

Marked out of 1.00

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The best way to represent a state space for a problem is through;

Select one:

○ a. Graph

○ b. Predicate calculus

○ c. Tree

○ d. Network path

Question 10

Not yet answered

Marked out of 1.00

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⚙ Edit question

A solution path can be defined as ;

Select one:

○ a. Goal state

○ b. Goal test

○ c. An optimal solution

○ d. A path from the initial state to the goal state

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