

RIZ MUGHAL

QUIZ MASTER

Grand Quiz(CS607)

100% correct solution.

For more information you can visit my channel and for any type of help related to CS619 you can contact me.



YOUTUBE CHANNEL:

<https://www.youtube.com/channel/UCINsFwDiB62SValCcPDZbRQ/playlists>

FACEBOOK GROUP:

<https://www.facebook.com/groups/923887914750307>

CS607:Grand Quiz

Question # 1 of 30 (Start time: 11:23:18 AM, 29 December 2020)

Hit and trial is a classical approach to solve the _____ problems easily.

Select the correct option

<input checked="" type="radio"/>	trivial
<input type="radio"/>	medium
<input type="radio"/>	complex
<input type="radio"/>	structured

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Question # 2 of 30 (Start time: 11:23:32 AM, 29 December 2020)

Graphs and Networks allow _____ between objects/entities to be incorporated.

Select the correct option

<input checked="" type="radio"/>	relationships
<input type="radio"/>	pictures
<input type="radio"/>	representation
<input type="radio"/>	communication

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Question # 3 of 30 (Start time: 11:23:46 AM, 29 December 2020)

Total Marks: 1

In Genetic algorithm _____ has the same notion of having something or some attribute from a parent while _____ refers to a small random change.

Select the correct option

- | | | |
|----------------------------------|-----------------------------|----|
| <input checked="" type="radio"/> | inheritance, mutation | // |
| <input type="radio"/> | DFS, BFS | // |
| <input type="radio"/> | A*, Dynamic programing | // |
| <input type="radio"/> | subtraction, multiplication | // |

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Question # 4 of 30 (Start time: 11:24:02 AM, 29 December 2020)

Back-propagation learning algorithm was invented by _____.

Select the correct option

- | | |
|----------------------------------|---------------|
| <input checked="" type="radio"/> | Bryson and Ho |
| <input type="radio"/> | John McCarthy |
| <input type="radio"/> | Marvin Minsky |
| <input type="radio"/> | Alan Turing |

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Question # 5 of 30 (Start time: 11:24:48 AM, 29 December 2020)

Total Marks:

The simple idea behind _____ is that if we can reach a specific node through more than one different paths then we shall take the path with the minimum cost.

Select the correct option

- | | | |
|----------------------------------|-----------------------|----|
| <input checked="" type="radio"/> | Dynamic programming | // |
| <input type="radio"/> | Estimates | // |
| <input type="radio"/> | Progressive deepening | // |
| <input type="radio"/> | Beam search | // |

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Question # 6 of 30 (Start time: 11:25:05 AM, 29 December 2020)

Adversarial search problems uses _____.

Select the correct option

- | | |
|----------------------------------|---|
| <input checked="" type="radio"/> | competitive environment |
| <input type="radio"/> | cooperative environment |
| <input type="radio"/> | neither competitive nor cooperative environment |
| <input type="radio"/> | an only competitive and cooperative environment |

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Question # 7 of 30 (Start time: 11:25:18 AM, 29 December 2020)

IF A THEN B

This can be considered to have a similar logical meaning as the following:

Select the correct option

- | | |
|----------------------------------|-----------------------|
| <input checked="" type="radio"/> | $A \rightarrow B$ |
| <input type="radio"/> | $A \leftrightarrow B$ |
| <input type="radio"/> | $A \leftarrow B$ |
| <input type="radio"/> | $B \leftrightarrow A$ |

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Question # 8 of 30 (Start time: 11:25:31 AM, 29 December 2020)

If an arrow points from node "A" to Node "B" then, node "B" will be called:

Select the correct option

<input checked="" type="radio"/>	Child of node "A"
<input type="radio"/>	Parent of node "A"
<input type="radio"/>	Branching node of node "A"
<input type="radio"/>	Fan-out of node "A"

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Question # 9 of 30 (Start time: 11:25:45 AM, 29 December 2020)

CLIPS stands for:

Select the correct option

- | | |
|----------------------------------|---|
| <input checked="" type="radio"/> | C Language Integrated Production System |
| <input type="radio"/> | C# Language Integrated Production System |
| <input type="radio"/> | COBOL Language Integrated Production System |
| <input type="radio"/> | C++ Linguist Integrated Production System |

Question # 10 of 30 (Start time: 11:26:00 AM, 29 December 2020)

Some essential components of problem solving are Problem Statement, _____, Solution Space and Operators.

Select the correct option

- | | |
|----------------------------------|--------------------|
| <input type="radio"/> | Complex State |
| <input type="radio"/> | Initial State |
| <input type="radio"/> | Intermediate State |
| <input checked="" type="radio"/> | Goal State |

Question # 11 of 30 (Start time: 11:26:17 AM, 29 December 2020)

The simplest way to perform _____ is to combine the head of one individual to the tail of the other.

Select the correct option

<input type="radio"/>	mutation
<input checked="" type="radio"/>	crossover
<input type="radio"/>	DFS
<input type="radio"/>	BFS

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Question # 12 of 30 (Start time: 11:26:31 A.M. 29 December 2020

Which of the following is true?

Select the correct option

- A graph may contain no edges and many vertices
- A graph may contain many edges and no vertices
- A graph may contain no edges and no vertices
- A graph may contain no vertices and many edges

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Question # 13 of 30 (Start time: 11:26:43 AM, 29 December 2020)

How many types of rules are there in formal knowledge representation?

Select the correct option

- | | |
|----------------------------------|---|
| <input type="radio"/> | 4 |
| <input type="radio"/> | 5 |
| <input type="radio"/> | 6 |
| <input checked="" type="radio"/> | 7 |

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Question # 14 of 30 (Start time: 11:26:59 AM, 29 December 2020)

Variation in the offspring's(children) of the individuals are due to _____

Select the correct option

- | | |
|----------------------------------|-------------------------------|
| <input type="radio"/> | Mutation |
| <input type="radio"/> | Inheritance |
| <input checked="" type="radio"/> | Both mutation and inheritance |
| <input type="radio"/> | crossover |

Question # 15 of 30 (Start time: 11:27:12 AM, 29 December 2020)

The symbol for the existential quantifier is represented as _____. It is also read as "there exists".

Select the correct option

<input type="radio"/>	\forall
<input checked="" type="radio"/>	\exists
<input type="radio"/>	\rightarrow
<input type="radio"/>	\otimes

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Question # 16 of 30 (Start time: 11:27:28 AM, 29 December 2020)

Which of the following, is not a component of an expert system?

Select the correct option

- | | |
|----------------------------------|------------------|
| <input type="radio"/> | Inference engine |
| <input type="radio"/> | Knowledge-base |
| <input type="radio"/> | User interface |
| <input checked="" type="radio"/> | Template |

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Question # 17 of 30 (Start time: 11:27:40 AM, 29 December 2020

In CLIPS, the Defrule construct is used to add _____.

Select the correct option

<input checked="" type="radio"/>	rules
<input type="radio"/>	facts
<input type="radio"/>	principles
<input type="radio"/>	agenda

Question # 18 of 30 (Start time: 11:27:56 AM, 29 December 2020)

The rules that define how conflict resolution will be used, and how other aspects of the system itself will run, are called ____

Select the correct option

- | | |
|----------------------------------|---------------------------|
| <input checked="" type="radio"/> | Meta rules |
| <input type="radio"/> | Conflict resolution rules |
| <input type="radio"/> | Forward chain rules |
| <input type="radio"/> | backward chain rules |

Question # 19 of 30 (Start time: 11:28:11 AM, 29 December 2020)

Total Marks: 1

In _____ search, rather than trying all possible search paths, we focus on paths that seem to be getting closer to goal state using some kind of "guide".

Select the correct option

- | | | |
|----------------------------------|-----------------------|----|
| <input checked="" type="radio"/> | Heuristic | // |
| <input type="radio"/> | Uninformed | // |
| <input type="radio"/> | Depth first | // |
| <input type="radio"/> | Progressive deepening | // |

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Question # 20 of 30 (Start time: 11:28:24 AM, 29 December 2020)

Which of the following is not considered being trait(s) of an expert?

Select the correct option

- | | |
|----------------------------------|---|
| <input type="radio"/> | They possess specialized knowledge in a certain area |
| <input type="radio"/> | They possess experience in the given area |
| <input type="radio"/> | They can provide, upon elicitation, an explanation of their decisions |
| <input checked="" type="radio"/> | They possess long term memory |

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Question # 21 of 30 (Start time: 11:28:38 AM, 29 December 2020)

Which of the following is NOT one of the expert systems?

Select the correct option

- | | |
|----------------------------------|---------|
| <input type="radio"/> | Dendral |
| <input type="radio"/> | Mycin |
| <input type="radio"/> | R1/XCON |
| <input checked="" type="radio"/> | XOR |

Question # 22 of 30 (Start time: 11:28:52 AM, 29 December 2020)

Total Marks: 10

The formulae $(\exists x) (\text{Person}(x) \wedge \text{father}(x, \text{Ahmed}))$ can be translated in simple words and read as.

Select the correct option

[Reload Math Equation](#)

- | | |
|----------------------------------|--|
| <input checked="" type="radio"/> | there exists some person, x who is Ahmed's father. |
| <input type="radio"/> | for all person, x who is Ahmed's father. |
| <input type="radio"/> | there exists some person, x who is Ahmed's daughter. |
| <input type="radio"/> | for all person, x who is Ahmed's daughter. |

Question # 23 of 30 (Start time: 11:29:14 AM, 29 December 2020)

_____ are able to override the normal rules in expert systems.

Select the correct option

- | | |
|----------------------------------|---------------------------|
| <input checked="" type="radio"/> | Meta rules |
| <input type="radio"/> | Conflict resolution rules |
| <input type="radio"/> | Forward chain rules |
| <input type="radio"/> | Backward chain rules |

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Question # 24 of 30 (Start time: 11:29:25 AM, 29 December 2020)

_____are data structures for representing stereotypical knowledge of some concept or object.

Select the correct option

<input checked="" type="radio"/>	Frames
<input type="radio"/>	Resolutions
<input type="radio"/>	Conjunctions
<input type="radio"/>	Disjunctions

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Question # 25 of 30 (Start time: 11:29:38 AM, 29 December 2020)

Which of the following command is used to see the added facts in CLIPS?

Select the correct option

- | | |
|----------------------------------|-------------|
| <input type="radio"/> | (fact) |
| <input type="radio"/> | Fact |
| <input checked="" type="radio"/> | (facts) |
| <input type="radio"/> | deftemplate |

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Question # 26 of 30 (Start time: 11:29:50 AM, 29 December 2020)

Ability to tackle ambiguous and fuzzy problems demonstrate

Select the correct option

<input checked="" type="radio"/>	Intelligence
<input type="radio"/>	Non intelligence behavior
<input type="radio"/>	Deep learning
<input type="radio"/>	Machine learning

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Question # 27 of 30 (Start time: 11:30:03 AM, 29 December 2020)

Which approach is used by the Best First Search algorithm while searching?

Select the correct option

- | | |
|----------------------------------|--------------------|
| <input type="radio"/> | Divide and Conquer |
| <input type="radio"/> | Heuristic |
| <input checked="" type="radio"/> | Greedy |
| <input type="radio"/> | Combinatorial |

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CS607:Grand Quiz

Question # 28 of 30 (Start time: 11:30:17 AM, 29 December 20

We use graphs to represent problems and their _____.

Select the correct option

- | | |
|----------------------------------|--------------------|
| <input type="radio"/> | knowledge base |
| <input checked="" type="radio"/> | solution spaces |
| <input type="radio"/> | parameters |
| <input type="radio"/> | nodes and vertices |

Question # 29 of 30 (**Start time: 11:30:30 AM, 29 December 2020**)

Which of the following is not a branch and bound strategy to generate branches?

Select the correct option

- | | |
|----------------------------------|-------------------------------|
| <input type="radio"/> | LIFO branch and bound |
| <input type="radio"/> | Lowest cost branch and bound |
| <input type="radio"/> | FIFO branch and bound |
| <input checked="" type="radio"/> | Highest cost branch and bound |

Click to

Question # 30 of 30 (Start time: 11:30:44 AM, 29 December 2020)

T

"I have never seen horses eating meat, so I can conclude that horses never eat meat". The given statement refers to:

Select the correct option

- | | |
|----------------------------------|-------------------------|
| <input checked="" type="radio"/> | Inductive reasoning |
| <input type="radio"/> | Abductive reasoning |
| <input type="radio"/> | Common-sense reasoning |
| <input type="radio"/> | Non-monotonic reasoning |