Asslam-o-Alaikum!

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Question No : 21 of 26 Marks: 2 (Budgeted Time 4 Min)

Differentiate briefly and precisely between '**Structural knowledge**' and '**Shallow knowledge**'.

Answer (Please click here to Add Answer)

Structural knowledge: Describes structures and their relationships. e.g. how the various parts of the car fit together to make a car, or knowledge structures in terms of concepts, sub concepts, and objects.

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Heuristic knowledge: Rule-of-thumb, e.g. if I start seeing shops, I am close
to the market.
o Heuristic knowledge is sometimes called shallow knowledge.

Correct answer solved by hadi
Cell No:03228043306
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Question No : 22 of 26 Marks: 2 (Budgeted Time 4 Min)

Write the CLIPS command which is used to remove only facts information from memory.

Answer (Please click here to Add Answer)

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Removing facts:

The retract command is used to remove or retract facts. For example:
(retract 1) removes fact 1
(retract 1 3) removes fact 1 and 3

CORRECT ANSWER SOLVED BY HADI
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By: Waqar Siddhu

Question No : 23 of 26 Marks: 3 (Budgeted Time 6 Min)

Do you think that deduction mechanism is feasible in practical systems or not? Give reason to support your answer?

Answer (Please click here to Add Answer)

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The deduction mechanism using the four rules of inference may be used in practical systems, but is not feasible. It uses a lot of inference rules that introduce a large branch factor in the search for a proof. An alternative is approach is called resolution, a strategy used to determine the truth of an assertion,

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Question No : 24 of 26 Marks: 3 (Budgeted Time 6 Min)

Out of different general components of an artificial intelligent system/AI cycle which two components are best suited to be called closely coupled or interdependent upon each other? Also tell why?

Answer (Please click here to Add Answer)



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Question No : 25 of 26 Marks: 5 (Budgeted Time 10 Min)

Does a knowledge which is gained by a person to drive a truck is best suitable to be called 'Declarative Knowledge' or not? Give reason to support your answer.

Answer (Please click here to Add Answer)



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Question No : 26 of 26 Marks: 5 (Budgeted Time 10 Min)

How can you elaborate the conflict resolution strategies?

Best of luck :)
Hadi

Answer (Please click here to Add Answer)

Conflict resolution strategies
To overcome the conflict problem stated above, we may choose to use on of the following conflict resolution strategies:
• Fire first rule in sequence (rule ordering in list). Using this strategy all the rules in the list are ordered (the ordering imposes prioritization). When more than one rule matches, we simply fire the first in the sequence
• Assign rule priorities (rule ordering by importance). Using this approach we assign explicit priorities to rules to allow conflict resolution.
• More specific rules (more premises) are preferred over general rules. This strategy is based on the observation that a rule with more premises, in a sense, more evidence or votes from its premises, therefore it should be fired in preference to a rule that has less premises.
• Prefer rules whose premises were added more recently to WM (timestamping) This allows prioritizing recently added facts over older facts.
• Parallel Strategy (view-points). Using this strategy, we do not actually resolve the conflict by selecting one rule to fire. Instead, we branch out our execution into a tree, with each branch operation in parallel on multiple threads of reasoning. This allows us to maintain multiple view-points on the argument concurrently