Review Test Submission: Quiz 1

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Course	2020-2021 1-GS Intelligent agents (INFOIAG)
Test	Quiz 1
Started	9/24/20 2:16 PM
Submitted	9/24/20 2:45 PM
Status	Completed
Attempt Score	65 out of 100 points
Time Elapsed	29 minutes out of 40 minutes
Results Displayed	All Answers, Submitted Answers, Correct Answers

Question 1   10 out of 10 points

Which agent architecture does not have a component for representing the effects of actions (What my actions do)?

Selected Answer: ✅ C. Reflex agent architecture

Answers:
    A. Utility-based agent architecture

    B. BDI agent architecture

    ✅ C. Reflex agent architecture

    D. Goal-based agent architecture

Question 2   15 out of 15 points

Which of these does a utility-based agent architecture have?

Selected Answers: ✅ State
    ✅ Utility function

Answers:
    Goals

    Condition-action rules

    ✅ State

    ✅ Utility function

Question 3   20 out of 20 points

Which one is the DL expression for "All professors teach"?

Selected Answer: ✅ $professor \sqsubseteq \exists teach.T$

Answers:
    $\exists teach.T \sqcap professor$

    ✅ $professor \sqsubseteq \exists teach.T$

    $\exists teach.T \sqsubseteq professor$

    $\exists teach.T \equiv professor$

Question 4   20 out of 20 points

Which one is the DL expression for "Only professors teach"?

Selected Answer: ✅ $\exists teach.T \sqsubseteq professor$

Answers:
    ✅ $\exists teach.T \sqsubseteq professor$

    $\exists teach.T \equiv professor$

    $\exists teach.T \sqcap professor$

    $professor \sqsubseteq \exists teach.T$

Question 5   0 out of 20 points

Which one is the DL expression for "Professors who teach do not do research"?

Selected Answer: ❌ $professor \sqcap \forall teach.T \sqsubseteq \exists research.\bot$

Answers:
    ✅ $professor \sqcap \exists teach.T \sqcap \exists research.T \sqsubseteq \bot$

    $professor \sqcap \exists research.\bot \sqsubseteq \exists teach.T$

    $professor \sqsubseteq \exists teach.T \sqcup \exists research.T$

    $professor \sqcap \forall teach.T \sqsubseteq \exists research.\bot$

Question 6   0 out of 15 points

Assume you build an agent that identifies your face in the pictures you upload. Your agent never identifies somebody else as you but sometimes it cannot detect your face in a picture. In that case, it says "I can't find you" and stops. Which of the following would be a possible performance metric for this agent?

Selected Answers: ❌ Number of times it says "I can't find you" in the last 10 pictures

Answers:
    ✅ 1/Time it takes to give an answer

    ✅ Number of times it identifies me correctly in the last 10 pictures

    ✅ Number of times it identifies me even when my face is not shown in the last 10 pictures

    Number of times it says "I can't find you" in the last 10 pictures

Wednesday, November 4, 2020 10:35:30 PM CET

← OK

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