



## Review Test Submission: Quiz 2.2


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Course	201920-COMP310 - MULTI-AGENT SYSTEMS
Test	Quiz 2.2
Started	10/05/20 13:53
Submitted	10/05/20 13:53
Status	Completed
Attempt Score	0 out of 50 points
Time Elapsed	0 minute
Results Displayed	All Answers, Submitted Answers, Correct Answers

### Question 1

0 out of 10 points

We introduced abstract architecture for agents in Video 2.2.

Check all things below that were introduced **in this video**.

Selected Answers:  [None Given]

- Answers:
- ☐ A. Internal state
  - ☒ B. Agent
  - ☒ C. Environment state
  - ☐ D. Utility
  - ☒ E. Run
  - ☒ F. Action

### Question 2

0 out of 10 points

The transformer function of a run  $r$  evaluates as follows:

$$\tau(r) = \{e, e', e''\}$$

Which of the following statements best applies?


Selected Answer:  [None Given]



- Answers:
- ☒ A. Environment is nondeterministic
  - ☐ B. Environment is partially observable
  - ☐ C. None of the above
  - ☐ D. Environment is deterministic

### Question 3

0 out of 10 points

A system is a pairing of: (check all that apply)





Selected Answers:  [None Given]

Answers:  A. Agent  
 B. Environment  
 C. State Transformer Function  
 D. Actions

#### Question 4

0 out of 10 points

Match each term to the most suitable definition

Question	Correct Match	Selected Match
Transformer Function	 G. $T: \mathcal{R}^{Ac} \rightarrow 2^E$	[None Given]
An agent that is <b>not</b> purely reactive	 E. $Ag: \mathcal{R}^E \rightarrow Ac$	[None Given]
An agent that <b>is</b> purely reactive	 A. $Ag: E \rightarrow Ac$	[None Given]
Run	 C. A sequence of interleaved states and actions	[None Given]

All Answer Choices

A.  $Ag: E \rightarrow Ac$

B. Sequence of interleaved Actions and Agents

C. A sequence of interleaved states and actions

D.  $T: 2^E \rightarrow \mathcal{R}^{Ac}$

E.  $Ag: \mathcal{R}^E \rightarrow Ac$

F.  $Ag: Ac \rightarrow E$


G.  $T: \mathcal{R}^{Ac} \rightarrow 2^E$




H.  $T: \mathcal{R}^E \rightarrow 2^{Ac}$

#### Question 5

0 out of 10 points

An Environment is a triple consisting of: (check all that apply)

Selected Answers:  [None Given]

Answers:  A. State Transformation Function  
 B. Runs  
 C. Initial State  
 D. Environment States  
 E. Agent

F. Actions

Sunday, 10 May 2020 13:53:07 o'clock BST

← OK