**AI**

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SEC: A

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1 NO ANS:

**Agent:**

entity in a program or environment capable of generating action.

**Agent Function:**

Mathematically speaking, we say that an agent’s behavior is

described by the **agent function** AGENT FUNCTION that maps any given percept sequence to an action.

**Agent Program:**

Internally, the agent function for an artificial agent will be implemented by an

agent program.

**Agent program** is an implementation of an **agent** function.

**Rationality :**

For every possible percept sequence, the agent is expected to take an action that will maximize its performance measure.

**Autonomy.**

To the extent that an agent relies on the prior knowledge of its designer rather than

AUTONOMY on its own percepts, we say that the agent lacks **autonomy.**

**Autonomy** is the ability to make your own decisions and doesn't need the user's input to function.

2 NO ANS:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Agent Type | Peformance Measure | Environvent | Actuators | Sensors |
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3 NO ANS:

1. F
2. T
3. F
4. T
5. T
6. T
7. T
8. T
9. F
10. F
11. F
12. T
13. T
14. T
15. T