CCS421/CCT419: Intelligent Agents CAT-1: Sit-in Test

November 23rd, 2022 [Main Campus: Room TB3]

Instructions:

1. The use of mobile phones during this CAT is prohibited.

Switch off any mobile phone in your possession and never attempt to use it during this CAT.

This CAT paper comprises two (2) questions.

The answer to each question shall be marked out of the sum of all the marks indicated beside it.

- Attempt all questions.
- i. Describe the basic framework within which all the known approaches to the synthesis of Artificial Intelligence (AI) may be fitted.

(4 marks.)

ii. Categorize all the known approaches to AI on the ba-30 sis of the framework that you have described in part 1(a)i.

(4 marks.)

(b) i. Explain the basic concept of an agent as used in the context of AI.

(2 marks.)

ii. What is a rational agent?

(2 marks.)

2. (a) Discuss the significance of the term PEAS with regard to the rationality of an agent.

(5 marks.)

(b) Give a PEAS description of the task of taking a sit-in Continuous Assessment Test (CAT).

(6 marks.)

Agent rationality.

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And object of the entire factball pitch and all activities homening of the ball policy.

A Deterministic | non-deterministic or not sure team will win Determined > Bu agent makes a decision, the best players are moving with time, built

5 multi-agent / single agent - more man & player 6. Follogic (redirential > Deant gibery gebeng on the content (Age;

known lunknown - biayer knows all the rules of game

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1. Part of the visit of the control of the point of view of the control of the policy of the control of the policy of the control of the policy of the players are moving with time, ball policy of the best players are moving with time, ball of the players are moving with time.

Ta Dira ete I continoos

La place | Cantinous > bioyer knows all the rules of game & work ground on the content (Act & Smith colours)