

Artificial Intelligence

Spring Semester 2020

Homework-I (CO2)

Grade

Max. Marks: **10**

Student Name: _____

Student ID: _____ **Section: 2481** **Signature:** _____

Section A: Short answer questions

1. What is rational agent? Also discuss four things on which rationality depends.

2. What is PEAS? Discuss the PEAS for Automated Taxi Driver.

3. Draw the structure of Simple Reflex Agent.

4. Discuss at least six characteristics/properties/classes of a task environment named "Image Analysis".

5. Write down the algorithm for Reflex Vacuum Agent.