

City University
Faculty of Science & Engineering
Department of Computer Science and Engineering
CSE 418: Artificial Intelligence Laboratory, Semester: Spring 2019
Total Marks: 20 Duration: 30 Minutes
Midterm Lab Exam

1. Represent the following in Prolog.

Facts:

- Jose and James are vegetarian.
- Carrot, eggplant, broccoli, cucumber, lettuce, pumpkin, tomato are vegetable
- Jose likes carrot, pumpkin and cucumber.
- James likes carrot, broccoli, eggplant, tomato and cucumber.

Rules:

- Jose like what vegetable?
- Who likes broccoli?

Queries:

- ?- vegetable(X).
- ?- vegetable(potato).
- ?- likes(jose, What).
- ? likes(Who, broccoli).