

COMSATS University Islamabad Lahore Campus

Assignment I – Spring 2022

Course Title:	Artificial Intelligence				Course Code:	CSC462	Credit Hours:	3(2,1)
Course Instructor/s:	Dr. Atifa Athar				Programme Name:	BS Computer Science		
Semester:	6 th	Batch:	FA19	Section:	B	Date:	11-03-2022	
Due on	16-03-2022				Maximum Marks:		10	
Name & Registration no								

- No late submissions will be accepted.
- All assignments are required to be submitted using attached template only.

Question No 1.

Marks: 10

Consider a scenario in which human owner of an agent is feeling hungry. He asks its personal robot to get him something to eat. Robots knows that the only thing which can be baked at the given time is a cake. Robot also knows that human master like cheese cake. In the given situation, the sugar level of the human is low. Now the priority is to give the human to eat and preference is to get cheese cake. Robot cannot cook. There is a possibility that the robot may ask neighbor to help bake a cake for its human master. There is also a probability that robot may find some who can bake a cheese cake. For this scenario answer following:

- a. Describe PEAS and PAGE for this robot
- b. Which rational agent architecture you will choose and why?