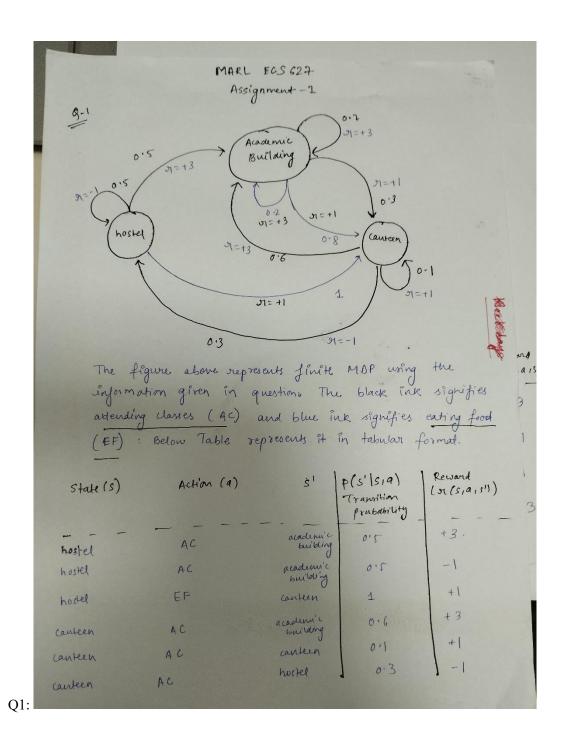
MARL ECS 627

Assignment 1

Name: Shirish Shekhar Jha

Roll Number: 2410705



State (5)	Action (a)	s ¹	tramition Probability (p(5*1510	n(5,a151)
Academic building	A C	academic building	0.3	+1
academic	AC	canteen	0.8	41
academic	EF		0.2	+ 3
building a cademic building	EF	academi (building		

Both Value Iteration and Policy Iteration suggest the same optimal policy for the student: attending class at each location (Hostel, Academic Building, Canteen). This outcome makes sense given the higher rewards associated with attending class, especially in the Academic Building where the reward is +3. The uniformity of the policy across all states suggests that, regardless of where the student is on campus, attending class maximizes long-term rewards.

