1.	(a) Explain, using examples, how forward and backward chaining control rearule-based systems.	soning in [3]
	i. What is meant by conflict resolution in the context of rule-based systemii. Describe how and why refractoriness and specificity are useful techniconflict resolution.	
	(c) Suppose you are deciding what train to catch, and could use your mobile phone to download the current timetable. You are unsure whether you charged your phone but there is a 40% probability that it is charged. If the phone is charged there is a 70% probability of successfully downloading the timetable. You assign a successful outcome a utility of +50 and an unsuccessful outcome a utility of −50. If the phone is not charged the probability of success is 0.1%.	
	i. Create a decision tree for this problem.ii. Solve the decision tree to determine whether you should try to dow timetable.	[4] nload the [6]
	(d) Define the terms causal link and clobbering in the context of partial order partial between state how to avoid a clobbering conflict.	olans, and [3]
	(e) Describe the operation of conditional planning in the context of POP.	[4]