11.	(a)	Elaborate on the following search technique
		(i) Greedy best-first search (5)
		(ii) A* search (5)
		(iii) Memory bounded heuristic search. (3)
		$\operatorname{Or}$
	(b)	Explain Backtrack searching for Constraint Satisfaction Problem for Map Coloring Problem. (13)
12,	(a)	Relate first order logic with proposition logic and discuss in detail about the same. (13)
		$\mathbf{Or}$
	(b)	Describe a procedure for converting a sentence to CNF with an example. (13)
13.	(a)	Discuss about the exact inference in Bayesian networks. (13)
		Or
	(b)	Explain forward chaining and Backward Chaining for Proportional Definite Clauses. (13)
14.	(a)	Explain in detail about STRIPS and write the components of STRIPS for the given scenario: "Consider a flight journey in a luxurious flight from India to US". (13)
		Or
	(b)	(i) Express your views about Rote Learning. (7)
		(ii) How would you express Formal learning theory? (6)
15.	(a)	Illustrate in detail about the expert system shells. (13)
		$\operatorname{Or}$
	(b)	Explain in detail about General Learning Model. (13)

