III/IV B.Tech (Regular) DEGREE EXAMINATION

		nd Engineering cial Intelligence laximum: 50 Marks			
				0X1 = 10 Marks)	
0 84 7	Answer ANY ONE question from each Unit.		(4X10=40 Marks)		
1	. a)		CO1		
	b)	What is AND-OR graph?	COI		
	c) d)	What is horn clause?	CO2		
	e)	What is unification?	CO2		
	f)	Define refutation.	CO2		
	g)	What is semantic network?	CO3		
	h)	Define susman's anomaly.	CO3		
	i)	What is an expert system?	CO4		
	j)	Define learning.	CO4		
		Unit - I			
2.	a)	What is uninformed search? Briefly describe about any three uninformed search strategies.	h CO1	10 M	
		(OR)			
3.	a)	Explain A* algorithm in detail.	CO1	5M	
٥.	b)	Explain about Constraint Satisfaction Problems.	CO1	5M	
	U)	Unit – II			
4.	a)	Explain Wumpus world and its representation using propositional logic. (OR)	CO2	10M	
5.	a)	Differentiate propositional and first order logic.	CO2	5M	
	b)	Describe in detail about forward and backward chaining in propositional logic. Unit - III	. CO2	5M	
5.		By considering an example blocks world problem, explain goal stack planning (OR)	cO3	10M	
7	(1)	Explain about Hierarchical planning.	CO3	5M	
7.	a)	Write a garint for entering restaurant scene	CO3	5M	
	D)	Write a script for entering restaurant scene. Unit - IV			
1			CO4	1 5M	
3.	a)	Describe in detail about expert system shells	CO		
	b)	Explain about rote learning and it's use.	CO	T SIVI	
		(OR)	00	A FRA	
).	a)	Discuss in detail about Learning in Problem solving.	CO		
	b)	Describe in detail about version space.	CO	4 5M	