3		ANNA UNIVERSITY COIMBATORE		PART – B		
4		B.E. / B.TECH. DEGREE EXAMINATIONS : MAY / JUNE 2010			(5 x 12 = 60 MA ANSWER ANY FIVE QUESTIONS	60 MARKS)
-		REGULATIONS : 2007				
3		FIFTH SEMESTER : CSE	21.	a)	Describe the various properties of the task environment.	6
3		070230049 - ARTIFICIAL INTELLIGENCE		b)	Write PEAS description for at least four agent types.	6
-	TIME	: 3 Hours Max.Marks : 100		5)	while I EAG description for at least four agent types.	0
0		PART – A	22.	a)	Distinguish an agent of AI and non AI program.	6
3		(20 x 2 = 40 MARKS)				
-		ANSWER ALL QUESTIONS		b)	Explain tree search algorithm in detail.	6
	1.	Write a PEAS description for a wumpus world?	23.	2)	Explain Hill climbing in detail.	6
	2.	What is agent program and agent architecture?		a)		0
0	3.	Discuss on software agent		b)	Describe A* search in detail.	6
	4.	State the difference between utility function and performance measure?				
-	5.	Give note on greedy best first search?	24.		Write in detail the online search agent working using depth first exploration.	
0	6.	What is A* search?	25.		Explain forward chaining and backward chaining in detail for a first order	
0	7.	Write a note on SMA* search?	23.		definite clauses	
	8.	List the types of memory bounded heuristic search?				
2	9.	What are diagnostic rules?	26.		Elaborate upon the ontolgy for situation calculus.	
0	10.	Discuss on model based reasoning systems				
	11.	What is upper ontology?	27.	a)	Elaborate upon inductive logic programming	6
-	12.	Write a note on reification?		b)	Explain the nonparametric learning methods	6
0	13.	List the categories of neural network structures?		0)	Explain the holparametric learning methods	Ŭ
0	14.	What is memoization?	28.	a)	Write short notes on the sub problems of discourse understanding.	6
_	15.	List the factors involved in analysis of efficency gains from EBL.				
	16.	State the design issues that affect the learning element.		b)	Explain in detail segmentation	6
0	17.	Define bottom up parsing by a search problem.			*****THE END*****	
-	18. 19.	Why grammars are to be augmented?				
1.1.1		What are the various types of ambiguity?				
0	20.	What is disambiguation?				
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