Exam.Code:0932 Sub. Code: 6928

## 1058

## B.E. (Electronics and Communication Engineering)

Eighth Semester Elective IV & V

EC-815: Artificial Intelligence

Time allowed: 3 Hours

Why defining level of models is important?

Max. Marks: 50

(10)

NOTE: Attempt five questions in all, including Question No. I (Section-A) which is compulsory and selecting two questions each from Section B-C.

*x-x-x* 

## Section -A

Q 1(a)	Why defining level of models is important?	(10)
(b)	What are intelligent agents?	
	What role control strategy plays in searching algorithm?	
	How planning is different from state space searching?	,
(e)	What is futility value in AO* algorithm?	
(f)	List different weak and strong filler structures?	
(g)	List different conflict resolution techniques.	
(h)	What is Non monotonicity of rules?	
(i)	What is clause form?	
(j)	What is default reasoning?	
U'	Section -B	(5)
02 (-)	What is state space representation? How Water Jug Problem can be solved using state space	(5)
Q2 (a) .	representation? Is hill climbing a greedy algorithm? How can we avoid local maxima problem in hill climbing	(5)
(b)	algorithm?	(5)
Q3 (a)	a What are the main advantages of using research	(5)
(b)	What is iterative deepening? What are the man about the what is iterative deepening? What are the man about the what is iterative deepening? What kind of problems are solved by Means ends analysis approach? Explain its algorithm.	(4)
Q4(a)	What kind of problems are solved by Means of the What kind of problems are solved by Means of the What kind of problems are solved by Means of the What kind of problems are solved by Means of the What kind of problems are solved by Means of the What kind of problems are solved by Means of the What kind of problems are solved by Means of the What kind of problems are solved by Means of the What kind of problems are solved by Means of the What kind of problems are solved by Means of the What kind of problems are solved by Means of the What kind of problems are solved by Means of the What kind of problems are solved by Means of the What kind of problems are solved by Means of the What kind of the	(3)
(b)	How slots in frames can be represented as full-fledged objects?	(3)
(c)	What are semantic networks?	
	Section -B	(8)
05 (a)	Convert following sentences into clause form and prove the truth of statement "Jack is not	
Q5 (a)	vagetarian" using resolution	
	• Ramesh is priest.	
	<ul> <li>All priest love animals</li> <li>Anyone who love animals is vegetarian.</li> </ul>	
	ack is not priest	
	Ramesh love animals	(2)
(b)	What are well formed formula?  What are well formed formula?	(6)
Q6 (a)	Lario 2 Explain different operation	(4)
(b)	What are different types of parsers used for the second se	(3)
Q7 (a)	<ul> <li>What are different types of parameters with the different components in exp</li> <li>Differentiate between semantic and syntactic analysis.</li> </ul>	ert (7
(b	ing is incorporated in Expert as	
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