CIE: Internal Assessment Details

Internal Assessment Question Paper - 2 Ramaiah Institute of Technology (Autonomous Institute, Affiliated to VTU) Department of Computer Science and Engineering

Programme: B.E

Term: Oct 2021- Feb 2022

Max Marks: 30

CIE: Test 2

Subject: Artificial Intelligence

Subject Code: CS53

Credits:3:0:1:0

Sem: V Sec: A,B, C Date: 04/02/2022 Time:09.30AM-10:30AM

Portions for Test: (L20-L34)

Instructions to Candidates:

1. Question 1 is Compulsory. Answer any one question from 2 and 3. 2. Each Question carries 15M. Write figures wherever necessary.

Mobiles, smart watches or any electronic gadgets are strictly banned.

			Questio		rry barmed.	Marks	Bloom's Level	CO Mappi ng
1	State Definite Clause and Horn Clause with an example and also mention their relevance in the inference process					05	Understa nd	CO2
	b. Apply the procedure to convert predicate calculus expression in clause form:						Apply	CO2
	$\forall (X)(R(X) \to \{\forall (Y)[P(Y) \to S(f(X, Y))] \land \neg \forall (Y)[S(X, Y) \to R(Y)]\})$							
	c. Describe the differences and similarities between problem solving and planning. Use suitable example to support your answer.						Understa nd	CO3
2	a. Define the following terms as applied to predicate logic. Use suitable examples:						Understa	CO2
	 Quantifiers Connection between the existential and universal quantifiers 						nd	
	OI COIL	ditioning and m	an Billani Lation.			100 mm (200 mm)		
		the full joint dis	stribution for the to		nd catch world:			
		the full joint dis	stribution for the to	Catch			-	
		the full joint dis	Toothache		toothache		-	
	Given	the full joint dis	Toothache	Catch	rtoothache reatch			

C. Illius.			
distrate problem	06	Understa	CO2
a. Formulate the		nd	
b. Solve the below query process of an air cargo transportation planning problem. All people and the people are the people and the people are the people and the people are the people ar	04	Apply	CO3
b. Solve the below query using the answer extraction method: Smart. John can read Solve the below query using the answer extraction method: Smart. John can read Smart are happy. Those people who read are performed to the poor and are smart are happy. Those people who read are peopl	07	Apply	CO2
Smart I who are no using the answer extraction include neonle who read are			
with an experimental with a constant with			
c. Describe generic knowledge based agent with pseudocode.	04	Understa	CO2
generic kn	04	nd	

Course Outcomes meant to be assessed by the IA Test 2: CO2: Demonstrate an understanding of knowledge based agents and various knowledgerepresentation and inference techniques and analyze how a particle between the language of knowledge based agents and various knowledge representation and inference techniques and analyze how a particle between the language of knowledge based agents and various knowledge representation and inference techniques and analyze how a particle between the language of knowledge based agents and various knowledge representation and inference techniques and analyze how a particle between the language of knowledge based agents and various knowledge representation and inference techniques and analyze how a particle between the language of knowledge based agents and various knowledge representation and inference techniques and analyze how a particle between the language of knowledge based agents and various knowledge representation and inference techniques and analyze how a particle between the language of knowledge based agents and various knowledge representation. techniques and analyze how a particular inference techniqueworks on a problem specification. (PO-2,3,4,PSO-2)

CO3: Examine the various method. CO3: Examine the various methods of handling uncertainty; planning and Machine learning techniques available and visualize their applicability in the real word problems. (PO-2, 3, 4, 5, 8, 9, 10, 12, PSO-2, 3)