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TIT 502	?			
Roll No.				
		Odd Semester Examination, 2019-2	0	
		R Tech (IT, SEMESTER V)		
		ARTIFICIAL INTELLIGENCE		
			Max. Marks: 100	
Time	: 3 Ho	urs	Total no.of printed pages: 1	
Note:	(i)	Attempt ALL questions.		
Note.	(ii)	All Questions carry equal marks.	*	
	(iii)	Be precise in your answer.		
	(111)	Be precise ;	( 20)	
		apt any four parts of the following:	$(5 \times 4 = 20)$	
1.		Attempt any four parts of the following:  (a) What is the difference between knowledge representation and knowledge acquisition?  (b) What is the difference between knowledge representation in the standard passess for the knowledge representation in		
	(a)	What is the difference between knowledge representation write four properties a good system should possess for the state of the system of the state of the system of the s	the knowledge representation in	
	(b)	1 1 1aim?		
		a particular domain? State and explain the Branch-and-bound searching technology to the fall of the fa	nique.	
	(c)	Define in your own words the following terms:		
	(d)	Define in your own words the following terms	iii. Successor function	
		i. State	<ol><li>iv. Branching factor</li></ol>	
		ii. Agent  Describe the role of computer vision in artificial intellig	gence.	
	(e)	Describe the role of computer vision in artificial interest.  Discuss the various types of machine learning with app	ropriate examples.	
	(f)	Discuss the various types of machine reasonable		
		C.1 C.11-wings	$(5 \times 4 = 20)$	
2.	Atter	mpt any four parts of the following:  How is the Bayesian network powerful representation for the following:	for uncertainty knowledge?	
	(a)	How is the Bayesian network powerful representational	age for representing knowledge.	
	(b)	How is the Bayesian network powerful representation of Explain how Predicate calculus can be used as a language Explain how Predicate calculus can be used as a language Explain how Predicate calculus can be used as a language Explain how Predicate calculus can be used as a language Explain how Predicate calculus can be used as a language Explain how Predicate calculus can be used as a language Explain how Predicate calculus can be used as a language Explain how Predicate calculus can be used as a language Explain how Predicate calculus can be used as a language Explain how Predicate calculus can be used as a language Explain how Predicate calculus can be used as a language Explain how Predicate calculus can be used as a language Explain how Predicate calculus can be used as a language Explain how Predicate calculus can be used as a language Explain how Predicate calculus can be used as a language Explain how Predicate calculus can be used as a language Explain how Predicate calculus can be used as a language Explain how Predicate calculus can be used as a language Explain how Predicate calculus can be used to be use		
	(c)	What is IO? Do computer programs have IQs.		
	(d)	Are reflex actions rational? Are they intelligent?		
	(e)	What is the Turing test?	Justify?	
	(f)	"The Mini-max procedure is depth first and depth limited".	, distrif .	
			$(10 \times 2 = 20)$	
3.	Atte	empt <i>any two</i> parts of the following:  What do you mean by constraint satisfaction problem?	Explain constraint satisfaction	
٥.	(a)	What do you mean by constraint satisfaction problem:	Laplant	
	( )	-lasmithm?		
	(b)	Discuss MIN-MAX algorithm for game playing?		
	(c)	Explain Dempster - Shafer Theory		
	, ,			
		0.11	$(10 \times 2 = 20)$	
4.	Atte	empt any two parts of the following:		
	(a)	Explain how classification is done by using Dayes etc.	3311101.	
	(b)	Write short notes on the following:	Alaba bata prining	
	i	. Computer vision	Alpha-beta pruning Multi-agent planning	
	ii	. Control strategy	he besic structure of evnert	
	(c)	Explain expert system with suitable example? Draw to	ne basic structure of expert	
		system.		
	4	to a Call a Callarying	$(10 \times 2 = 20)$	
5.		tempt any two parts of the following:		
	(a)	Differentiate between conditional planning and continue to the between continue to the between continue to the between continue to the	mality, completeness and	
	(b)	Describe the behaviour of A* search in terms of optim	manty, completeness and	