Seat No.:		Enrolment No		
	GUJARAT TECHNOLOGICAL UNIVERSI			
	M.E. SEMESTER III-EXAMINATION (Remedial)- WINTER 201			
Subj			: 07/12/2015	
•		Name: Artificial Intelligence		
		arks: 70		
Insti	uctio	ons:		
	1.	Attempt all questions.		
		Make suitable assumptions wherever necessary.		
	3.	Figures to the right indicate full marks.		
Q.1	(a)	What is Artificial Intelligence? Explain the limitations of AI.	07	
	(b)	What is Search? Explain the basic search algorithm.	07	
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Q.2	(a)	Explain applications of AI in Virtual Reality and Simulation technology with suitable examples.	07	
	(b)	•	07	
	(2)	System.	0.	
		OR		
	(b)	What is Agent? Describe the salient features of an agent in AI.	07	
0.2	(a)	Character to solve the grande CEND MODE MONEY	07	
Q.3	(a) (b)	Show the step to solve the puzzle SEND + MORE = MONEY. What is Recursion? Explain recursion based search in AI.	07 07	
	(0)	OR	U7	
Q.3	(a)		07	
		Pruning.		
	(b)	Explain Consistency Driven Techniques in AI.	07	
0.4	(.)	Frankin Warrelada - Dannaratation and Danaraina in Al	07	
Q.4	(a) (b)	Explain Knowledge Representation and Reasoning in AI. Write the production rules for Water jug problem. Two water jugs of 3	07 07	
	(0)	and 4 liter capacity is given. How can you fill 2 liter of water in big jug	U7	
		without any measuring aids?		
		OR		
Q.4	(a)	What is Fuzzy Logic? Explain Control Structure of fuzzy system.	07	
	(b)		07	
		Learning in AI		
Q.5	(a)	Explain design of Expert System and its significance in Medical	07	
٧.٠	(u)	Science.	0,	
	(b)	What is Machine Vision? Explain the importance of machine vision in	07	
		Automation.		
<u> </u>	, .	OR		
Q.5	(a)	What is Expert System? Explain Model based Expert System in AI.	07 07	
	(b)	What is Inference? Explain the rules of inference in AI.	07	
