

USN

17MT832

Eighth Semester B.E. Degree Examination, July/August 2021 Artificial Intelligence

Time: 3 hrs.

Max. Marks: 100

(10 Marks)

Note: Answer any FIVE full questions.

		Hote. Answer any FIVE full questions.		
1	a. b.	The little of th	(10 Marks)	
	U.	Outline the early work done in the field of Artificial Intelligence.	(10 Marks)	
2	a.	What is an Intelligent accused E. 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		
_	a.	applications		
	b.	Explain in detail Alan Turing machine and state the limitations of Turing test.	(10 Marks)	
		The state that I do not be and state the limitations of Turing test.	(10 Marks)	
3	a.	Explain Breadth First search algorithm and outline its merits.		
	b.	Explain Depth First search algorithm and outline its advantages.	(10 Marks)	
			(10 Marks)	
4	a.	Explain simple hill climbing algorithm with relevant details.	(10 Marks)	
	b.	Explain steepest ascent hill climbing algorithm with relevant details.	(10 Marks)	
_			(10 Marks)	
5	a.	Define Expert system. Discuss the characteristics of Expert system.	(10 Marks)	
	b.	Explain Expert system architecture with relevant details.	(10 Marks)	
6	a.	Explain the amounting Charles		
U	a.	Explain the operation of MYCIN as an Expert system in diagnosing bacterial infections.		
	b.	Explain the operation of DENDRAL as an expert system in helping an organic c	(10 Marks)	
		an organic c		
4.8000			(10 Marks)	
7	a.	Explain Semantic Network Architecture with relevant details.	(10 Marks)	
	b.	Explain Blackboard system architectures with relevant details.	(10 Marks)	
0	_		(10 IVERTILE)	
8	a. b.	Explain Decision Tree Architectures with relevant details.	(10 Marks)	
	U.	Explain Neural Network Architectures with relevant details.	(10 Marks)	
9	a.	Define Percentron Evaluation in 1		
	a,	and relevant details.		
	b.	Explain Learning Automation model with a case study of temperature control mo	(10 Marks)	
4.0			(10 Marks)	
10	a.	Explain Genetic Algorithm with flow chart.	(10 Marks)	
	b. What is the role of an Intelligent Editor? Explain Intelligent Editors with relevant details.			
	Total details.			

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