DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

	Regular End Semester Examination - Summer	2022	45.6°C
	Course: B. Tech. Branch: Computer Science & Engineering	Semester VI	
	Subject Code & Name: Artificial Intelligence BTCOE603 (B)	3335555	5.5%
	Max Marks: 60 Date:20/08/2022	Duration: 3.45 Hr.	8083
	Instructions to the Students: 1. All Questions are Compulsory. 2. Draw neat diagram wherever necessary. 3. Figures to right indicates full marks 4. Assume suitable data wherever necessary and mention it of	learly (Level/CO)	Marks
0.1	Salva Any Two of the following		5.0
Q. 1	Solve Any Two of the following. What is AI? Explain the goal of AI.	(Synthesis)	² 05
A)	\$ 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	(Remember)	05
B)	Explain the advantage and disadvantage of Al. List the type of Agent and explain any one.	(Understand)	05
C)	List the type of Agent and explain any one.	75088888	
Q.2	Solve Any Two of the following.	1222600	
A)	Explain steps to solve problem Using Al.	(Understand)	05
B)	Explain A* Graph Search with example.	(Remember)	05
C)	Explain Depth First Search	(Understand)	05
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Q. 3	Solve Any Two of the following.		12.2
A)	What is Constraints Satisfaction Problem explain with example.	(Synthesis)	05
B)	List the different types of local consistency and explain any one.	(Remember)	05
C)	Write a short note on Intelligent backtracking?	(Remember)	05
0.4			
Q.4	Solve Any Two of the following. Explain Game tree with example of Tic-Tac-Toe game.	(Remember)	05
A)	Write a short not on Non-deterministic games?	(Understand)	05
B)	Write a pseudo-code for Alpha-Beta Pruning.	(Understand)	05
C)	Write a pseudo-code for Alpha-Deta I tuling.		•
0.5	Solve Any Two of the following.		
	Explain Knowledge-Based Agents in Al.	(Synthesis)	05
B)	Explain The Wumpus World in AI with its Properties.	(Remember)	05
ිර	What is Propositional Logic explain with example.	(Remember)	05
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Q. 6	Solve Any Two of the following.	-00 × 000 • 00	
A)	Explain Approximate Inference in Bayesian Networks in AI.	(Synthesis)	05
OB)	What is Quantifying Uncertainty and explain it use in Al.	(Remember)	05
(C)	Explain Representing Knowledge in an Uncertain Domain.	(Understand)	05
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