Total No.	. of Questions : 8]	90	SEAT No.:		$\neg$
P814	[5870] -	1135	[Total	No. of Pages :	2
	T.E. (Computer	X 7	ng)		
	ARTIFICIALIN				
•	(2019 Pattern) (Seme	ester - II)	(310253)		
Time: 2½ Instruction	/2 Hours] ons to the candidates:			Max. Marks : 7	0
1)	Answer Q 1 or Q 2, Q 3 or Q 4, Q 5 o		Q 8.		
2) 3)	Neat diagrams must be drawn whenever Assume suitable data if necessary.	ver necessary.			
3)	rissume sumble that if necessary.				
	C 300		230		
014	/E15:0 A1-1- D-4- T	114.	cc C	: 14:1: <i>1</i>	د1.
	Explain Alpha - Beta Tree sear example.	en and cuto	on procedure		un <b>9</b> ]
(6)	What are the issues that need to l	be addressed	for solving e	sp efficiently	/?
	Explain the solutions to them.	900	Chat gpt re		9]
		OR O			•
Q	Explain in detail the concepts of land solve the N-queen problem				on 9]
b	Write a short note on Monte Car	lo Tree searc	h and list its l	imitations. [5	5 <u>]</u> (
<b>3</b>	Apply constraint satisfaction me	ethod to solv	e following F	Problem	ز'
	SEND + MORE = MONEY.	(TWO + T)	TWO = FOU	JR, CROSS	+
	ROADS= DANGER)			[4	4]
	× ×			9:31	
Q3), a	List the inference rules used in pr	epositional l	ogic? Explair	them in deta	iil
	with suitable example.		50, 12,		9]
To?	Explain syntax and semantics of	f First Order	Logic in deta	il. [8	8]
	• OR		330		
<b>Q4)</b> a)	Detail the algorithm for deciding	entailment	n preposition	al logic. [8	8]
<b>b</b> )	Explain knowledge representation	on structure	and compare	them. [9	9]

*P.T.O.* 

	<b>Q5</b> ) (a)	Explain Forward and Backward chaining. What factors justify whereasoning is tobe done in forward or backward chaining.	[9]
5	<b>(</b> 8)	What are the reasoning patterns in propositional logic? Explain the detail.	em in [9]
	Q6)_3)	Explain unification algorithm with an example.  Explain knowledge representation structures and compare them.	[8] [7]
	s)	What do you mean by Ontology of situation calculus?	[3]
	Q7) a)	Analyse various planning approaches in detail.	[9]
57	ر الأطل	Discuss AI and its ethical concerns. Explain limitations of AI.	[8]
	<b>Q8</b> ) a)	Explain the terms for time and schedule from perspective of templanning.  Chatgpt read krshil.	[9]
	<b>(</b> b)	Write a detailed note on Al Architecture.	[8]
	[5870] -	1135 2 P. Mar. 100 100 100 100 100 100 100 100 100 10	