Seat No:	Enrollment No:
Deat 110	

PARUL UNIVERSITY

FACULTY OF ENGINEERING & TECHNOLOGY B.Tech. Summer 2021 - 22 Examination									
Semester: 6 Date: 29/03/2022						Time: 10:30am to 1:00p	0pm		
1. A 2. F 3. M	ll qu igur Iake	es to the right suitable ass	compulsory. tht indicate full massumptions wherevon on new page.						
Q.1	Objective Type Questions - (Fill in the blanks, one word answer, MCQ-not more than Five in case of MCQ) (All are compulsory) (Each of one mark)								
	1.	a) Alb) Chc) Jol	er of Artificial Into lan Turing harles Babbage hn McCarthy one of the above	elligence" is:					
	2.	Which of t a) Ma b) Cy c) Fu d) Ne	the following is the achine Learning yber forensics all-Stack Developed twork Design						
	3.	a) Opb) Dec) Br	e given options, w ptimal Search epth First Search readth-First Search near Search	hich search algorithn	n requires less memor	y?			
	4.	a) Krb) Infc) Us	onent of an Expert nowledge Base ference Engine ser Interface Il of the above	t system is					
	5.	affect the f a) De b) Br c) Al	n algorithm which final output is kno epth-first search readth-first search lpha-beta pruning one of the above	own as	max search, but remo	ves the branches that don't			
	7. 8. 9.	Are Neural Automated Which sear The first ar	Il Networks Helpford vehicle is an exaurch method takes rtificial neural net	imple of	 	information about the			

input signal.

13. Components of an expert system are?

12. A knowledge-based agent can be defined with _____ levels.

14. What is Time Complexity of Breadth First search algorithm?

15. Blind searching is general term form_____?

Q.2 Answer the following questions. (Attempt any three)A) What do you mean by Perceptron?

(15)

- B) What is neural network?
- C) What is ficular fictwork
- C) What is Fuzzy Logic?
- D) What do you mean by expert system?

Q.3 A) What is an A* Algorithm search method?

(07)

B) What do you mean by semantic nets in AI?

(08)

OR

B) What is artificial intelligence and its application?

(08)

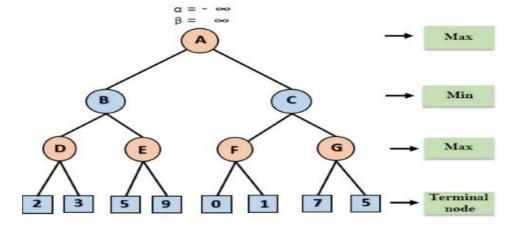
Q.4 A) What's the difference between supervised and unsupervised learning?

(07)

OR

A) What is alpha-beta pruning? Solve it.

(07)



B) What is hill climbing search in Artificial Intelligence? Explain with example.

(08)