(1)

YMCA UNIVERSITY OF SCIENCE& TECHNOLOGY, FARIDABAD B. TECH. 6TH SEMESTER (UNDER CBS) INTELLIGENT SYSTEMS (CE-304)

DD:	_	(
Time:	3 H	ours.
Note:	1.	Max. Marks:60 It is compulsory to answer the questions of Part -1. Limit your answers within 20-40 word in this part.
	2.	Answer any four questions from Part -2 in detail.
		Different parts of the same question are to be attempted adjacent to each other.
	Λ	

4. Assume suitable standard data wherever required, if not given.

PART-1

01	(-3	14(1)	(2)
Q1		What is AI? List all components of Ai.	(2)
	(b)	What do you understand by Heuristic function?	(2)
	(c)	Define the term semantic nets.	(2)
	(d)	Briefly describe the role of reasoning in AI.	(2)
	(e)	What is forward chaining?	(2)
	(f)	Compare and contrast expert system with an intelligent system.	(2)
		What are the basic issues in solving an AI problem?	(2)
	(g)		(2)
	(h)	State travelling salesman problem?	(2)
	(i)	List the applications of genetic algorithm.	(2)
	(j)	Represent the following sentence in First Order Logic: Every Gardner like the sun.	
		DADE O	
		PART -2	
		y vi e e to with quitable example	(10)
Q2	2	Explain BFS in detail. Illustrate with suitable example	
		· · · · · · · · · · · · · · · · · · ·	(1.0)
Q3		Explain A* search with an example.	
			(10)
Q4		What is uncertainty? Explain Bayesian network with example.	
			(10)
Q5		Discuss Partial order planning giving suitable example.	
QS		Explain various types of learning strategies. Illustrate with suitable examples.	(10)
06		Explain various types of learning strategies, mustrate with data.	
Q6		when rule based expert system.	(10)
0.5		Compare rule based expert system with non-rule based expert system. ***********************************	
Q7		**************************************	