Q.P. Code :11080

[Marks:75]

		 Answer to the two sections must be written in same answer book and should be submitted together Write answer to same questions together Mixing of sub-questions is not allowed. 	
		SECTION-I	
Q.1		Give overview of an intelligent agents? State and explain 8 queen problem.	06 07
	` '	OR	
Q.1		Write a short note on AI. Mention its applications. Differentiate Forward and Backward chaining.	06 07
Q.2	٠,	Explain First order logic with examples Explain Planning. Why it is necessary.	06 07
		OR	
Q.2		Write a note on Dempster-shafers belief networks theory. Differentiate Mutation and Crossover in genetic algorithm.	06 07
Q.3		Write a note on multi-layered feed forward network. Explain component steps of communications.	06 06
		OR	
Q.3		Mention the application of Intelligent systems in ROBOTICS Write a note on knowledge acquisition.	06 06
		SECTION-II	
Q.4		Explain RBF network. Explain error correction learning. OR	06 07
Q.4		What is supervised learning? Is it better than unsupervised learning? Write a note on McCulloch and Pitts neuron.	06 07
Q.5		Explain XOR problem in Neural networks. Explain Fuzzy Logic with one examples.	06 06
		OR	
Q.5		Write a note on perceptron convergence theorem. State any 2 signal functions and explain.	06 06
Q.6		Explain back-propagation algorithm. Why do we used deffuzzification?	06 06
	. ,	OR	
Q.6		Explain any 2 architectures of neural networks. Explain the least mean square method.	06 06

[Time: 3 Hours]

1. All questions are compulsory

N.B:

Please check whether you have got the right question paper.