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Rol	l No.	. Total No. of Pa	iges : 01
Tota	al No	o. of Questions: 08	
		M.Tech.(ECE) (Sem1)	
		NEURAL NETWORK & FUZZY LOGIC	
Subject Code: EC-505 M.Code: 36206			
Tim	e:3	M.Code: 36206 B Hrs. Max. Mar	ks : 100
INST 1. 2.	Atte	TIONS TO CANDIDATES: empt any FIVE questions out of EIGHT questions. h question carries TWENTY marks.	
1.	a)	Explain in detail Radial basis function neural network.	(10)
	b)	Describe the basic learning laws in RBF nets.	(10)
2.	a)	Discuss in detail about knowledge representation and acquisition.	(10)
	b)	Explain the basic model of neuron in neural networks. Discuss characteristics of neural networks.	about the (10)
3.	De	escribe in detail about ART networks.	(20)
4.	a)	Explain how neural network can be used for pattern recognition.	(10)
	b)	Discuss in detail about associative memories.	(10)
5.	a)	Write a note on Kohenen's feature maps.	(10)
	b)	Explain competitive learning in detail.	(10)
6.	Di	scuss in detail about Antilock Breaking system using fuzzy logic.	(20)
7.	a)	Explain in detail about defuzzification methods.	(10)
	b)	Distinguish between supervised and unsupervised learning.	(10)
8.	Wı	rite short notes on following:	
	a)	Reinforcement learning	(07)
	b)	Linguistic variables	(07)
	c)	Fuzzy IF-THEN rule	(06)
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NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

**1** M-36206 (S9)-2170