Roll No.

23070

M. Tech. 2nd Semester (Computer Engg.) Examination – December, 2014

SOFT COMPUTING Paper: MTCE-602-A					
they hav	inswering the question of the consumplied the consulting the consulting this regard, we see the consulting the	orrect and com	plete question p	aper.	
	Attempt any <i>five</i> equal marks.	questions. A	ll questions c	arry	
-	plain the Hopfield hitecture.	Network i	n detail with	its 20	
2. (a)	What do you unsupervised learn	•	. •	and 10	
(b)	Explain the mather	matical mode	els of Neurons.	10	
3. Exp	plain the following : Multilayer percept	ion model		20	

4.	(i)	What is membership function? Explain it we the help of example.	ith 10
	(ii)	Give a brief description about Fuzzy Logic.	10
5.		at is Fuzzy Set? Explain in detail the different ration on Fuzzy Sets with a suitable example.	
6.	(a)	Give a brief description about Lattice of Fuz Numbers.	zy 10
	(b)	What is Linguistic variables? Explain in detail.	10
7.	Exp	lain the following :	20
	(i)	Multi valued Logic	
	(ii)	Fuzzy Propositions	
8.	Wri	te short notes on :	20
	(i)	Fuzziness of Fuzzy Sets,	
	(ii)	Uncertainty Based Information.	

(ii) Associative memory