B. Tech. DEGREE EXAMINATION, MAY - 2015

(Examination at the end of Final Year)

ELECTRICALS & ELECTRONICS ENGINEERING

Paper - VI: Fuzzy Logic and Applications

Time: 3 Hours			Maximum Marks: 75
		Answer question No. 1 compulsory	(15)
		Answer ONE question from each unit	$(4 \times 15 = 60)$
1)	a)	What is DSW algorithm?	
	b)	What are non interacting fuzzy sets?	
	c)	Mentions the application areas of Fuzzy logic.	
	d)	Write the difference between classical logic and fuzzy logic.	
	e)	Explain cluster validity.	
		<u>Unit - I</u>	
2)	a)	What are properties and operations of Crisp sets.	
	b)	How fuzzy sets are different from Crisp sets?	
		OR	
3)	a)	What are properties and operations of Fuzzy Sets?	
	b)	Explain fuzzy Relations with examples.	
		<u>Unit – II</u>	
4)	a)	What is fuzzification and defuzzification? Explain.	
	b)	What are features of Fuzzy membership functions?	

