	SCOR RI		
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CO.	Louisentat & mailtailliss	F17112015	
- Carlo		BE comp-2	
Q.1)	Explain classical set vs Fuzzy set?		
		O .	
	classical set	Fuzzy Set	
		1) Fuzzy set is set having degree	
301	of distinct object.	of membership between 140	
	of distinct object		
2011	2) Each individual entity in a	2) Fuzzy sets are represents	
	set is colled a member of	2) Fuzzy sets are represents with the tilde chora del (n)	
	an element of the set.	rtph sing mi ske	
4	3) Element is either the	3) Elements are allowed to	
25.0	member of aset or not	be portially included in the se	
	Boaten	ABOARD IN LOST LAST	
	4) It is defined by precise and		
	certain Chora cteristics	or ambigow proposties.	
Imple W	and the state of t		
3 1	5) Widely used in digital  System design	5] Used in fuzzy controlless.	
SATELY.	system design	The state of the s	
	120 st pathola planned 12 gen	Date to the control of	
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		Adamini Wheness )	

9.2	DiHesence hote pon 1177	ification & defuzzification
40		
	Fuzzification	Defuzzification
10/3	D Fuzzification is the process of transformating a crip set to a Fuzzy Set or Fuzzy set to Fuzzior Set.	Defuzzification is the process of reducing a fuzzy set into a crisp set or converting fuzzy member into a crisp member into a crisp member  imprecise  2) It converts an imprecise
20.00	3) It uses Inference Rank ordering; Angolog Fuzzy sets Neural Network	3) Maximum Membership principle Centroid method weighted average method center of sums
	5) Fuzzification is easy 5) Fuzzification uses if then oules to fuzzyfy the crisp	9) Defuzzification is quite complex to implement.  5) Defuzzification uses center of gravity method to get centonid
1	volues	of sets.
-	[] Example Voltmeter	D/A convertor.

Q.3) Consider the two fuzzy sets.

$$B_1 = \begin{cases} \frac{1}{10} + \frac{0.75}{1.5} + \frac{0.3}{2.0} + \frac{0.15}{2.5} + \frac{0}{30} \end{cases}$$

$$B_2 = \begin{cases} \frac{1}{1.0} + \frac{0.6}{1.5} + \frac{0.2}{20} + \frac{0.1}{2.5} + \frac{0}{30} \end{cases}$$

$$B_1 = \begin{cases} \frac{1}{1.0} + \frac{0.6}{1.5} + \frac{0.3}{2.0} + \frac{0.15}{2.5} + \frac{0}{3.0} \end{cases}$$

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$$B_2 = \begin{cases} \frac{1}{1.0} + \frac{0.6}{1.5} + \frac{0.2}{2.0} + \frac{0.1}{2.5} + \frac{0}{3.0} \end{cases}$$

5)  $B_1/B_2 = \begin{cases} 0.75 & 0.3 & 0.15 \\ 1.5 & 2.0 & 2.5 \end{cases}$