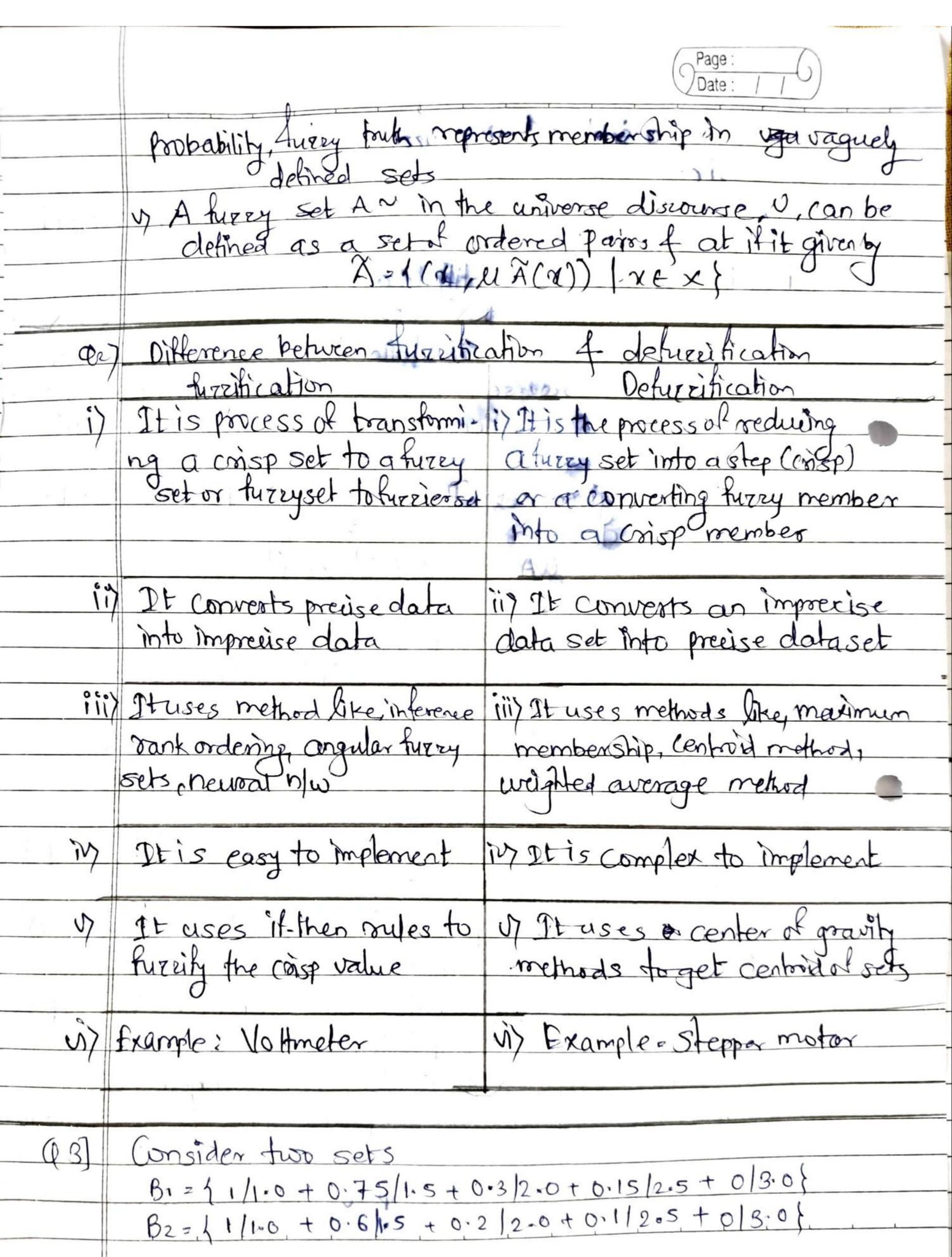
	SCOA Assignment no-01 Class=BE comess Page: PEN=517111038 Date: 1
Q i]	Explain Classical set us furry Set
<u>→</u>	orlassical set :-
	it It is a collection of distinct Objects for example a set
	of students passing grades
	ii) Each individual Entir Ma set is called a member
	or an element of the set
	iii) The classical set is defined in such a way that the
	univorse of discourse is splitted into two groups members
	4 non-members, Herree in classical sets No partial
	numbership exists
71.	IV Let A is given set The membership Function can be
	used to define a set A is given by
	LIA(x)= 11 HXEAU
	O'NX EA}
	1) Operations on classical set: Onion
	Intersection
riva III - Fr	Compunent
,	Diffrence
	6) Fuzzy Set &- i) It is a set having degree of membership between 1 f
*	i) It is a set having degree of membership between 18
-	ii) Fuzzy set are represented with filds character (N)
	ii) Fuzzy set are represented with tilde character (N) for example in Neumber of constollowing traffic
	signals at a particular time out of au cons represent
	will have membership value between [0,1]
	iii) Partial membership exists when number of one
	The anna records the best of the best of one
	the same universe
	in The degree of membership or truth is not same as
	The degree of the state is that same as



	Page: Date: / /
<u> </u>	(1) B. UB = max [UB: (x), Ubz(x)] ~ ~ ~ ~ ~ ~ [1/1.0 + 0.75/1.5 + 0.3/2.0 + 0.15/2.5 + 0/3.0)
	2 B. \cap Bz = min [$llB_1(x)$, $llB_2(x)$] \sim 2 [1/1.0 + 0.6 1.5 + 0.2 2.0 + 0.1 2.5 + 0 3.0 }
	3 B1 = 1- UB(x)
	$\frac{2}{9} = \frac{101.0 + 0.2511.5 + 0.712.0 + 0.85[2.5 + 1]9.0}{9}$
	= 10 1.0 +0.4 1.5 +0.8 2.0+0.9(2.5 +1 3.0)}
	$\frac{3B_1/B_2 = B_1 (1B_2)}{2}$ $= \frac{1}{1.0 + 0.4/1.5 + 0.3/2.0 + 0.15/2.5 + 0/3.0}$
	© $\frac{1}{8} \cdot \frac{0}{9} = \frac{1}{8} \cdot \frac{0}{1} \cdot \frac{0}{9} = \frac{1}{2} \cdot \frac{0}{1} \cdot $

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