Date : \_\_\_/\_ Assignment A class has 1350 students. The following gives the no. of students studing one mon of the subjects in the class. Mathematics - 100 Physics 6 - 700.013.0103.01 Chemistry - 46 Note + Chysics -430444 ACNET Moths + Chemistry -Physic + Chemistry - 23 N+P+C = 18 final the followings of the 1) How many students are ensolled in Mathe alone, Physics aslone of Chemistry alone 2 The no. of Students who have not offul one of these subject Dire Universal set U= [a,b,c,d,e,f,f] A={b,C,d,e},B={a,b,e} Draw Venn - Diagram to represent the relationship b/w the gwin sets Use the Diagram to find following sets !-

(a)	A' G
	B) A-B © B-A
3	dull 104 10 11
(8)	students at a College Total and local
	sudints at a College take at head
	students at a College take at head one of the languages french, German & Russian. Also suppose
	Russian. Also suppose
	37 " Rustian
	15 " French & German
	20 4 French 4 Russian
	10 11 German 4 Russian
1000	Draw a venn Diagram 4 fill in the
3	correct no, of students in each
	Segion. Also Determine the no. of
	Students who study all three subjects
(4)	Show that for any two sets $A L B - A - (A A B) = A - B$
THE	ALB A- (ANB) = A-B
	Also find the values A- (AAB)
(3)	and A-B for Su
	and $A-B$ for $SU$ $A = \{1,2,3,4,5\}$ $B = \{2,3,4,5,6\}$
(3)	$A = \{1, 3, 4\}$ , $B = \{2, 3, 4\}$ and $C = \{1, 2, 3\}$
	then find
	(AXB) - (AXC) and (AXC) A(BXA)