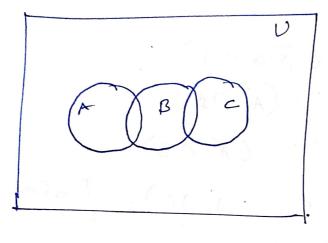
Knishnaraj P PMG7-Tutorial- 1 25 8 22 0 P. 1. ANB = ANB = ANC B can be written as: = Band (AAUA) = (B NA) U (A NB) = (ANB) U (FNB) = (A rc). U (A rc) [given] = (AUF) & MC  $[0.2 : A = \frac{3}{2}, a]$ so PCA) = { { 293; { a3, 4, 43  $P(P(A)) = \{ \{ \} \}, \{ \{ \alpha \} \}, \{ \} \}, \{ A \}, \{ \} \}$  $\{ \{ \} \}, \{ 3 \}, \{ \alpha \} \}, \{ \{ \alpha \}, \{ A \} \}, \{ \{ 3 \}, \{ 4 \} \}, \{ \{ 3 \}, \{ 4 \} \}, \{ 3 \}, \{ 4 \} \}$ € 293, {a3, \$3, £283, £a3, A3, £5-3, \$, A3 2 { { 93 , \$ , A3 , { 4 , 2 9 3 3 , { { 6 } } } , +3 }

Q.3. AU ANBRC = 
$$\phi$$

ANB  $\neq \phi$ 

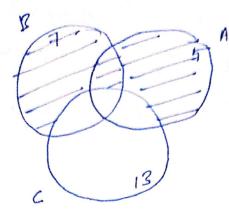
ANC =  $\phi$ 

BNC  $\neq \phi$ 



Q.5 V = { 1., 600 } let A = { n 5, n & v; n devisible by 53 B= {n : nev; n divisible by 73 Ens. nev; n divisible by 133 So (AUBUC) = ? |AMBAC|  $\left| A \right| = \left[ \frac{600}{5} \right] = 120$ |B| = [ + 500 ] 2 85  $\left| \begin{array}{c} c \end{array} \right| = \left[ \begin{array}{c} \frac{600}{13} \end{array} \right] = 46$ C  $\begin{vmatrix} A \land B \end{vmatrix} = \begin{bmatrix} \frac{600}{35} \end{bmatrix} = 17$ -3 -5  $\left| B \cap C \right| = \left[ \frac{600}{91} \right] = 6$ [Anc] = [-60] = 9 [AUBUC] = [A] + [B] + [C] + [A \(\Omega\)B] + | Anc| + | BAC| - | AABAC| = 120 + 85 + 46 02 5 02 13 by 145913 22 ( ) is divisible by 7 4 5 4 13

6 7 01 5 but not 13



From Venn daggar

+ IANBNC

Q.6. A N [a, a, b, c, d] = [a, b, c, d]

So 
$$A = [a, b, c, d]$$

A can have any amount of elements of but

$$A = \begin{bmatrix} n \cdot n & e & b & c & d & s & n & z \\ n \cdot n & e & b & c & d & s & n & z \\ n & e & N & & & & & & \end{bmatrix}$$

a. If A-B = B Q. 7. then I could by be having -all Set A can not exist as you cannot have B remaining from set A if you semone it. A-B = B-A A = B. es let A - Bos p - A = C But Chas to be & 50 A = B C. A DB = BDA to A and B could be any sets as A and B arm as is et commutative. and Et ? a property of the functions (7)