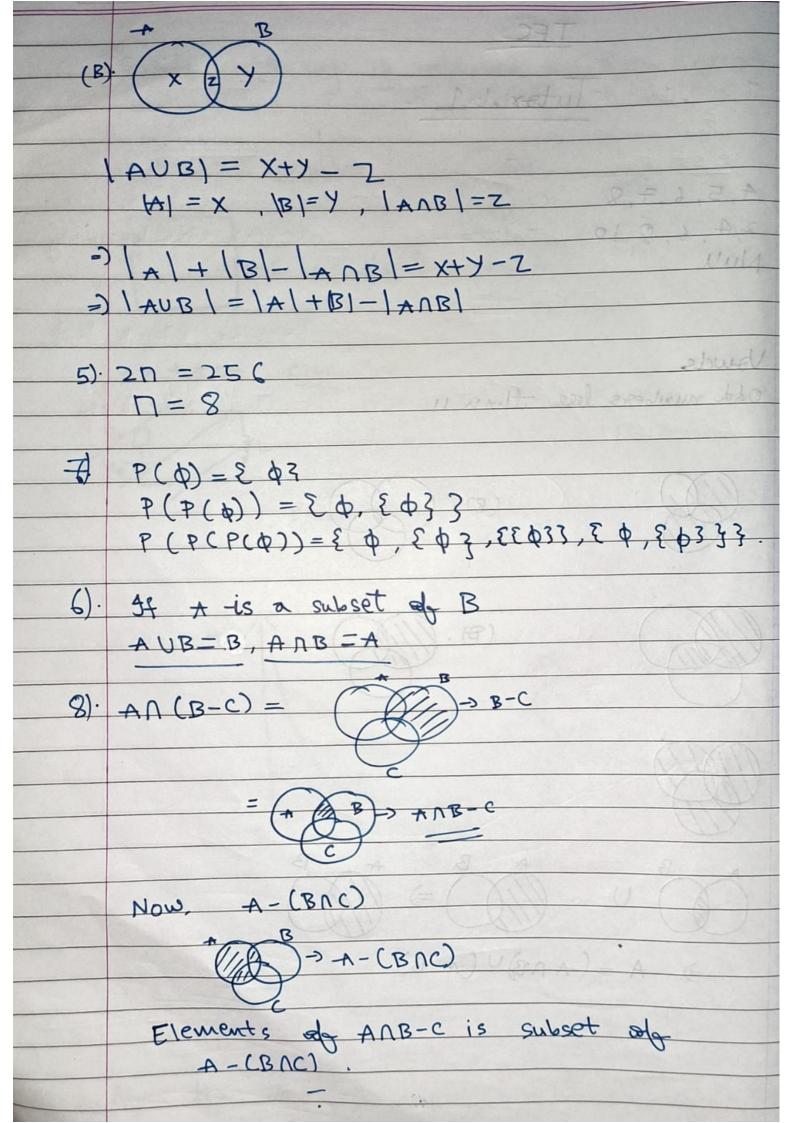
Tutorial 1 4,5,6,7,8 (B) 24 6,8,10 Nul (C). 2) (A). Vowels (B) Odd numbers less than 11 =) A = (A NB) U (A-B)



```
9. T=30 |TFCS|= |A|=15
  1AI1=1B1=8
  DBMS = | C | = C
  (AABAC) =3
   no. of students with no subject,
= 30-|AUBUCI=30-IAI-IBI-ICI-IANBI-IBACI-
        JANCI- JANBACI
         = 30-32+2|ANB| 33 543 543
   = 2 ANB (-2) 3 SW M3 3 SOULDS 533 843 843 (6)
   Now, " no. of students in Atleast 2 subjects,
          = 7 Hence, proved
10) (i) A XCBUC) = (AXB) U (AXC)
     (X,4) E AX(BUC)
        TEA + y & (BUC)
  (XEA + (YEB) DE (XEA + YEC)
  Ar (x,y) E(AXB) Dr(2,y) E(AXC)
  (DC, Y) E(AXB) U(AXC)
    LHS=RHS.
  (ii) AX(BAC) = (AXB) A(AAC)
     (xy) EAX(BAC)
     XEA + (JEBAL)
XEA + (JEB + Lyec)
     CEA tyEB) t (XEA tyEC)

(X,y) E (ANB) + (X,y) E (ANC)

(X,y) E (ANB) (Y ANC)

2) LHS=RHS
```

11) U= 21,2,3,4,5,6,7,8,9,10 0=1010101010 E= 0101010101 Not 1 S = 11 111 00000 12) AUB = 1111101010 AAR = 1010100000 1000 DAST 1- 101A - 101-101 1A1-05=10USTUA - 08 = 13) (A). { 23} (B). { a 3, {b}, {a, b} (c). {a} {b} {c} {c} {a,b,c} {a,b} {c, a} {b,c} [A,C] [b] 14) | P(x) = 4 | P P(x) x P(x) = 64 P(P(X)) = 16 () () () () () () COUB) A H + 15. Product = $\{(1,0), (2,0), (3,0), (1,2a_3), (2,2a_3), (2,2a_3)$ 2 PONNOCE (STEEL) PONNOCE COLUMN 2211 - Bar) + (82 ml 13 m)