Date :....

Wateronal Institute of Technology Swinstikal, Karnatatia.

Designments - 01

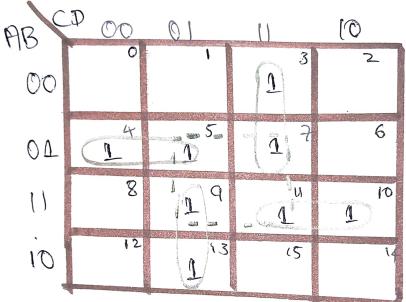
Mame: - Cibitkeri Citimo aga Boll No: - 211 ITO17

Branch: - B. Tech Information Technology.



1) Minimize the Sollowing Bodean Sonction:
(Menstern PI, EPI, RPI And SPI).

(1) F(A, B, G, D) = Em (3,4,5,7,9,113,14,15)



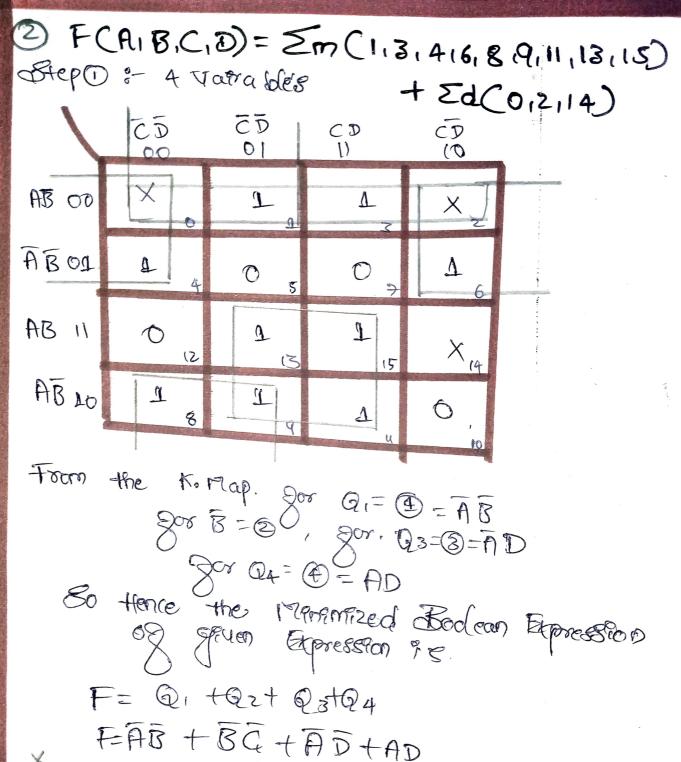
F(A,B,C,D)=ABC+AGD+ACD

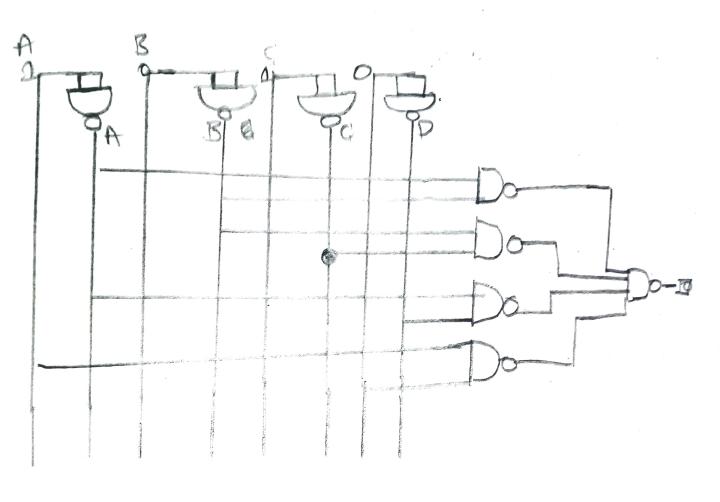
Morsber of Prame Implants (PI)=5
Nomber of Estantial PamerImplacants (EPI) +

Nomber of Reduced Prome: - I

Number of Selective Prime: - O.
Implacants (SPI): - O.

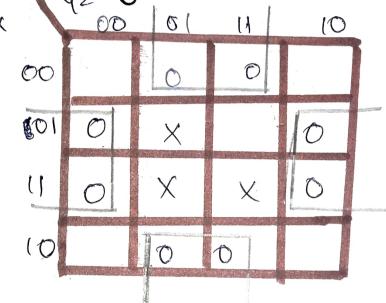
Lekhok (0218)





@ a d @ Internet

3 F(W,X,Y,Z)=JTM(113,416,9,111,12,14) + Ed(8,13,15) -Minimized Expression Spould be Expressed 91 Nor yate. WX 00 61 11 10



800 F(MIX, 412) = (X+Z) +(X+Z)

Where Nomber of prime Implicant (PI) = 4
Number of Essential Prime implicant (EPI) = 4
Number of Reduction Prime implicant (EPI) = 2
Number of Selective Prime implicant (SPI) = None.

