Assignment: B3 B2 B1 B0 000000 B courter winter Counter A gesets after every 16 pulses of Clk
i.e. after every $t = 16 \times 16 \text{ MeV}$ Counter B resids after every 256 pulses of UK i.e after every t= 256 Md for T= 0.2 millis second. i.c after 0.2×10-3/1×106 = 200 clock pulses Since countre A susets after every 16 dock pulses, 200%16=8 hence last eight pulse are only valid. E after eight clock pulses me get counter A as 0111 in decimal 7,

counter B 200/16 = 12 Meaning counter & is devenuented 12 tines from its initial stage. i.e 15-12 = 3 ->0011 ice decimal value of country B is 3/ (3) The frequency BO is equal. to (wirt to Ut freq b=1Mh3) is - 7.906 CH3

 $bugB0 = \frac{1}{16} = \frac{10^6}{16} = 62.5 k H_3$