Nome of experiment! Write a program to Lispley 2 219it Experiment not 04 number using 7 segment multiplexing technique. objective(s)!

(i) Learning how to design a display of 2 digit number using 7 segments multiplexing technique.

(ii) Learning and understanding shortmultiplexing

Theory: A seven-segment display is a form of electrican dispay device from displaying decimal number that is an alternative to the more complex matrixdisplay, Multiplexing is necessary to intensace two on more seven segment display to a microcontroller software Program con control these multiplexed seven segmen to on/offin a feshion. This also hells to reduce Power in bottery a open systemy.

Apparatus required DPJC 165877A (20 apaciton 3) resistons Crystal, digital-7 segment.

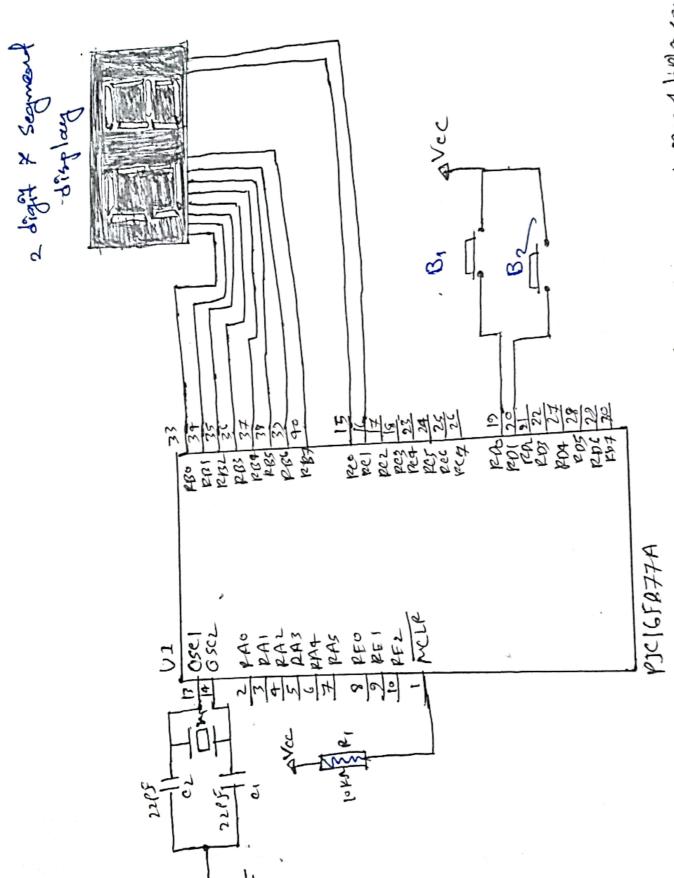


Fig : Disply 2 disit number wing 7 segment multiplacen.

```
chan segment []= [0x3f, 0x06, 0x5B, 0x4F]
program1
       int 120;
       void monc)
          TRISB = 0X00)
          Amise = 0 X00;
           Pondb 2 0x00;
           ponte = 0x00)
          trisd = OXA)
           pon4b = 0;
           while(1)
            ponte fozo;
            Pontb = segment [1/10];
            delay, ms(19);
             portc fozli
             portc 1 =0)
             Porth-segment [17.10];
             deloy_ms(10))
             porto 32 = 1
            if (portato == 1)
               while (pondd foz=1);
                 in (ico; i, ix 999)
```