EXPERIMENT NAME: DIGITAL CLOCK by using MULTISIM

A digital clock is a type of clock that shows the time using numbering, not hands. as opposed to an analogue clock, where the time is indicated by the positions of rotating hands.

Total 6 digit is used to display the time, so we need 6 seven segment display and 6 decade counter etc. 2 digits are use for second, 2 digits are use for minute and 2 digits are display the hour .

To create a circuit diagram of digital clock ,we need 8 type component . These are

- 1. BCD to seven segment display decoder -7447N (6)
- 2.DECADE COUNTER -7490N(6)
- 3. Function generator to control the speed(1)
- 4.Or gate (2)
- 5. Seven segment display, common anode. to show the number. (6)
- 6.Push button DPST(2)
- 7.Ground (2)
- 8.Vcc(2)

Here is the simulation process of digital circuit diagram by using multisim software. The simulation process is described with sequentially .

Function Generator is taken from the right side of the multisim software.



















