Experiment – 4

Answer all the Questions in brief with some appropriate examples.

1) Define a Switch. What is the need of a switch in an electronic circuit?

2) What are the different types of switches used in an electronic circuit?

3) What do you mean by POLE and THROW in a switch?

4) What is a relay? What is the function of a relay in an electronic circuit?

5) What is the difference between toggle switch and push button switch/Tactile Switch?

6) Why are there 4 pins in push button/Tactile switch?

7) What are the two types of push button switch?

8) Why are push buttons used instead of switches?

9) What is the difference between pull-up and pull down?

10) What is the difference between pull-up and pull-down resistor?

11) Why are pull up resistors more common than pull down resistors?

12) How do I choose a pull-up resistor? What should be the suitable resistance value for Pull-Up?

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