

## **LAB 8:**

### **CONCLUSION:**

**DECODER:** The decoder is a circuit used to change the code into a set of signals. The name itself tells the decoder because it has the reverse of encoding. The decoders are very simple to design.

**ENCODER:** An encoder in digital electronics is a one-hot to binary converter. That is, if there are  $2^n$  input lines, and at most only one of them will ever be high, the binary code of this 'hot' line is produced on the n-bit output lines. A binary encoder is the dual of a binary decoder.