



## ***Dept. of Computer Science &Engineering***

**Course Code:** CSE-2324

**Course Title :** Digital Logic Design Lab

**Submitted by:**

**Name:** Farida Nusrat

**ID:** C201242

**Semester:** 3<sup>rd</sup>

**Section:** 3AF

**Contact:** 01303994149

**Email:** c201242@ugrad.iiuc.ac.bd

**Department of CSE, IIUC**

**Submitted to:**

Mrs. Subrina Akter, Assistant  
Professor, Dept. of CSE, IIUC

**SIGN:** Farida Nusrat

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## **Experiment No:** 08

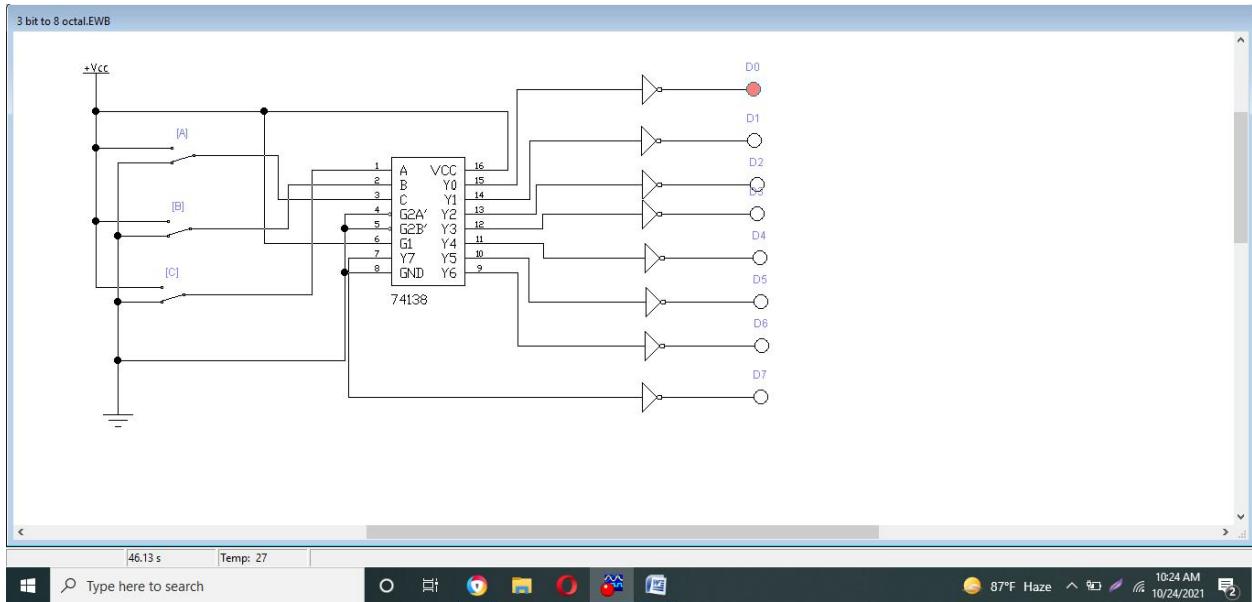
## **Experiment Name:** Implement 3 bit binary to octal decoder

## **Required tools:**

- IC 74138
  - Wires
  - LED
  - Electronic Workbench Software

## Turth Table:

## IC level diagram:



## Result Discussion:

3-bit binary numbers at the input is converted to eight digits at the output (which is equivalent to octal number system). At a given time only one output is low and all other outputs will be high.

## Any problem arises:

No.

## What Have I learnt :

*I have learn some how simple inputs of ones and zeros can be used to store information for output.*