### **Embedded C Notes**

Friday 8 November 2024 8:06 AM

## Module 7:

# Keyboard

LCD interfacing

7 - Segment

## Keyboard:

Initially, all columns set to 1 all rows set to 0

Read columns, in case of 0 in any column.

go for finding

C<sub>3</sub> C<sub>2</sub> C<sub>1</sub> C<sub>0</sub>

Set rows as Zero one by one and remaining as 1.

which column is 0, that key will be selected.

delay of selecting the key is also taken into account.

#### LCD:

Pin 2 - VDD

Pin 3 - VEE

Pin 4 - RS

0x01-

0x80 - Force

0 x C 0 -

0x30 - 8-bit mode

DX 20 - H-bit mode

Develop an intruder alarm system where buzzer and message is displayed in the LCD.

Register Select

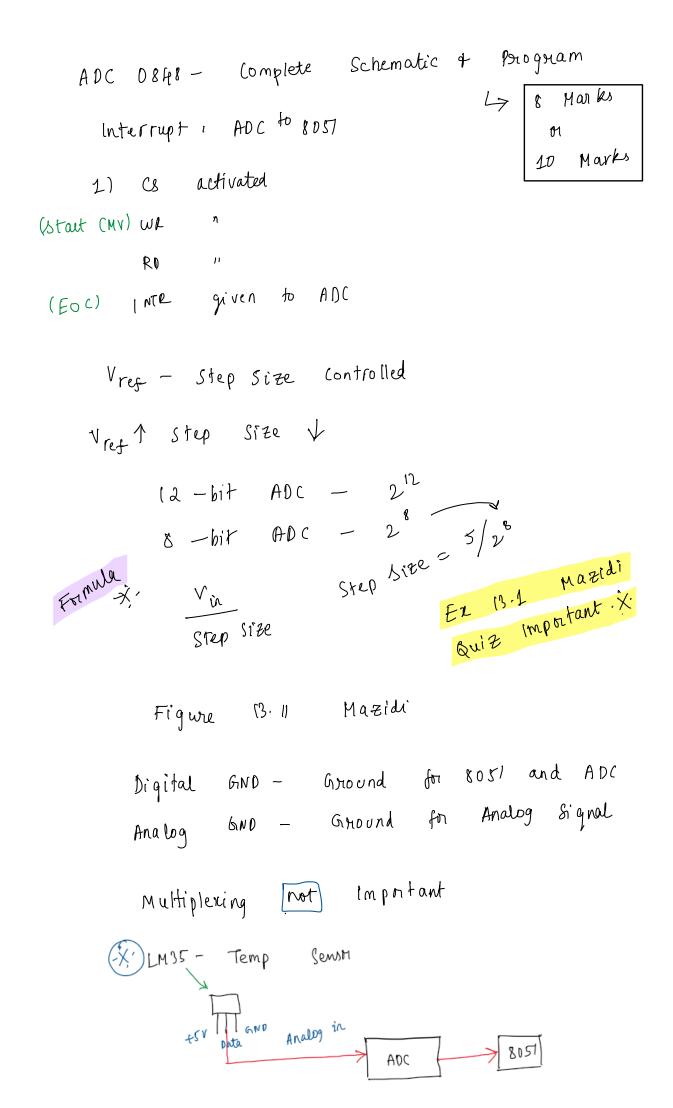
Enable

> LCD Question (Example)

ADC, DAC, Temp. Sensor, 7- Segment display

Mazidi Pg 373.

ADC 0848 - Complete Schematic & Porogonam



Quick Notes Page 3

+SV III GND Analog in
ADC 8051

DAC: RZR, Binary weighted - Conversion Types