

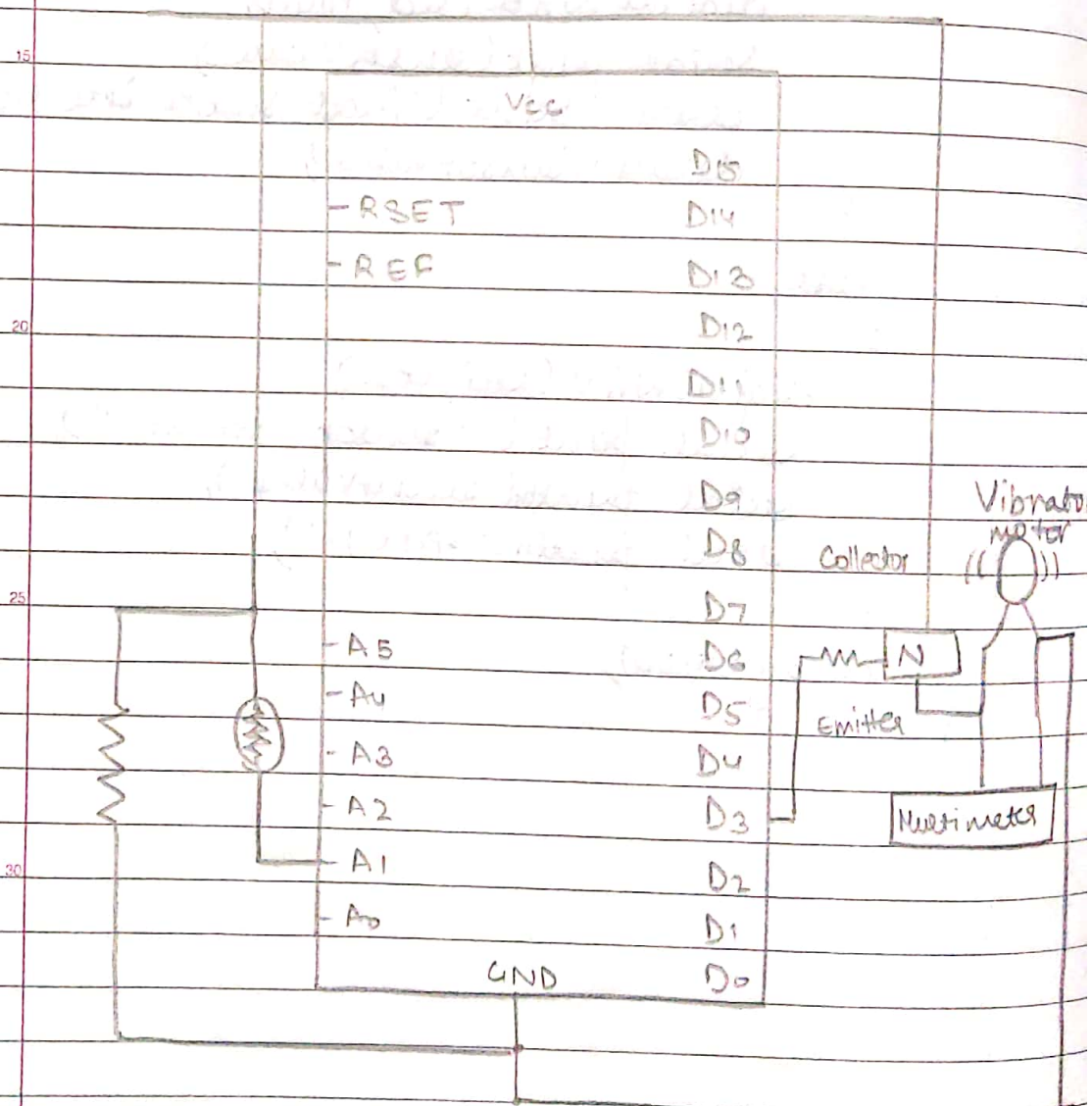
PROGRAM NO: 12

PROGRAM TITLE: LDR with vibration motor

AIM: Design an automated day indicator system (Vibration motor & LDR)

HARDWARE REQUIREMENTS: Arduino, Breadboard, Connecting wires, Resistors, NPN transistor, Vibrator, ~~1000~~ Multimeter, Photoreistor

CIRCUIT DIAGRAM:



CODE:

```
int motorPin = 3;
int sensorPin = A1;
int threshold = 400;
void setup()
{
    pinMode(motorPin, OUTPUT);
    Serial.begin(9600);
}
void loop()
{
    int sensorValue = analogRead(sensorPin);
    Serial.println(sensorValue);
    if (sensorValue > threshold)
    {
        digitalWrite(motorPin, HIGH);
    }
    else
    {
        digitalWrite(motorPin, LOW);
    }
}
```