**Assignment -3**

Python Programming for Raspberry pi

Assignment Date

11 October 2022

Student Name

Sofia B

Student Roll Number

111519106148

Maximum Marks

2 Marks

**Question-1:**

**Write a python code for blinking LED using Raspberry pi.**

SOLUTION:

Import RPi.GPIO as GPIO

From time import sleep

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(8,GPIO.out, initial=GPIO.LOW)

while True:

GPIO.output(8,GPIO.HIGH)

sleep(1)

GPIO.outpit(s,GPIO.LOW)

sleep(1)

**Question-2:**

**Write a python code for Traffic Lights using Raspberry pi.**

SOLUTION:

from gpiozero import Button, TrafficLights, Buzzer

from time import sleep

buzzer=buzzer(15)

buzzer=Button(21)

lights=TrafficLights(25,8,7)

while True:

button.wait\_for\_press()

buzzer.on()

light.green.on()

sleep(1)

lights.amber.on()

sleep(1)

lights.red.on()

sleep(1)

lights.off()

buzzer.off()