**Assignment -3**

Python Programming

|  |  |
| --- | --- |
| Assignment Date | 1/10/2022 |
| Student Name | P.Anjuka |
| Student Roll Number | 811519106012 |
| Maximum Marks | 2 Marks |

Question:

Write python code for blinking LED and Traffic Lights for Raspberry pi.

Note: Only python code is enough, no need to execute in raspberry pi.

Solution:

import time import RPi.GPIO as GPIO

GPIO.setmode(GPIO.BOARD) GPIO.setup(11, GPIO.OUT) while True:

GPIO.output(11,True) time.sleep(1) GPIO.output(11,False) time.sleep(1)

from gpiozero import Button, TrafficLights, Buzzer buzzer = Buzzer(15) button = 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()