ASSIGNMENT – III

Write Python code for blinking LED and Traffic lights for Raspberry pi.

```python
import RP1.GPIO as GPIO

 import time

GPIO. setmode(GPIO.BOARD)
GPIO.setup(7, GPIO.OUT) #Green LED
GPIO.setup(11, GPIO.OUT)#Yellow LED
GPIO.setup(13, GPIO.OUT) #Red LED
GPI0.setup(15, GPIO.IN, pull_up_down=GPIO.PUD_UP)#Button
def turn_on(pin, seconds):

  GPIO.output (pin,GPIO.HIGH)

time.sleep(seconds)

def turn_off (pin, seconds):

  GPIO.output (pin, GPIO.LOW)

time.sleep(seconds) try:

   while True:

     button_state=GPIO.input (15)
if button_state== True:

turn_on(13,2)
tum_off(13,.1)
turn_on(7,4)
turn_off(7,.11)
turn_on(11,1)
turn_off(11,1)

else:
```

```python
        if button_state== False:
            GPIO.output (7,GPIO.LOW)
            GPIO.output(11,GPIO.LOW)

            GPIO.output (13,GPIO.LOW)
time.sleep(.1) except KeyboardInterrupt:
GPIO.cleanup()
```