

ASSIGNMENT – 3

PYTHON PROGRAMMING

Assignment Date	04 October 2022
Student Name	PAVITHRA. S
Student Roll Number	410819106302
Maximum Marks	2 Marks

Question-1:

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

Solution:

```
import RPi.GPIO as GPIO
import time

# Setup
GPIO.setmode(GPIO.BCM)
GPIO.setup(9, GPIO.OUT)
GPIO.setup(10, GPIO.OUT)
GPIO.setup(11, GPIO.OUT)

# Loop forever
while True:
# Red
GPIO.output(9, True)
GPIO.output(10, False)
GPIO.output(11, False)
time.sleep(5)
# Yellow
GPIO.output(9, False)
GPIO.output(10, True)
GPIO.output(11, False)
time.sleep(5)
# Green
GPIO.output(9, False)
GPIO.output(10, False)
GPIO.output(11, True)
time.sleep(5)
```