ASSIGNMENT-III

SECTION-I

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)

print("LED On")

sleep(1)

GPIO.output(8, GPIO.LOW)

print("LED Off")

sleep(1)

SECTION-II

import RPi.GPIO as GPIO

from time import sleep

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

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

GPIO.setup(9, GPIO.OUT, initial=GPIO.LOW)

GPIO.setup(10, GPIO.OUT, initial=GPIO.LOW)

while True:

GPIO.output(8, GPIO.HIGH)

print("Red light On : Stop")

sleep(7)

GPIO.output(8, GPIO.LOW)

print("Red Light Off : Wait")

GPIO.output(9, GPIO.HIGH)

print("Yellow light On : Wait")

sleep(2)

GPIO.output(9, GPIO.LOW)

print("Yellow Light Off : Start")

GPIO.output(10, GPIO.HIGH)

print("Green light On : Start")

sleep(10)

GPIO.output(10, GPIO.LOW)

print("Green Light Off : Wait")

GPIO.output(9, GPIO.HIGH)

print("Yellow light On : Wait")

sleep(2)

GPIO.output(9, GPIO.LOW)

print("Yellow Light Off : Stop")