**Assignment - 2**

Q1. Make infinite loop using:

1. While
2. For
3. Do While

Give appropriate examples with the explanation.

Q2. Write a program to blink an LED only 5 times using a while loop.

Q3. Suppose the micro-controller is running on 5V supply. We have ADC

having resolution as 10-bit. What will be the ADC value we will get if the input voltage is 3.8v ?

Q4. Draw a line graph showing 25% duty cycle with respect to time.

Q5. Write a program to stop blinking of an LED using a switch with the help of interrupt.

Q6. Write a program to show more than two interrupts attached on different GPIO’s of NodeMCU.

Q7. Write an example of nested IF-ELSE conditional statement.

Q8. Write an example of Switch statement.

Q9. How does a temperature sensor like LM35 works?

Q10. How will you interface LDR sensor to make a automatic street light?