

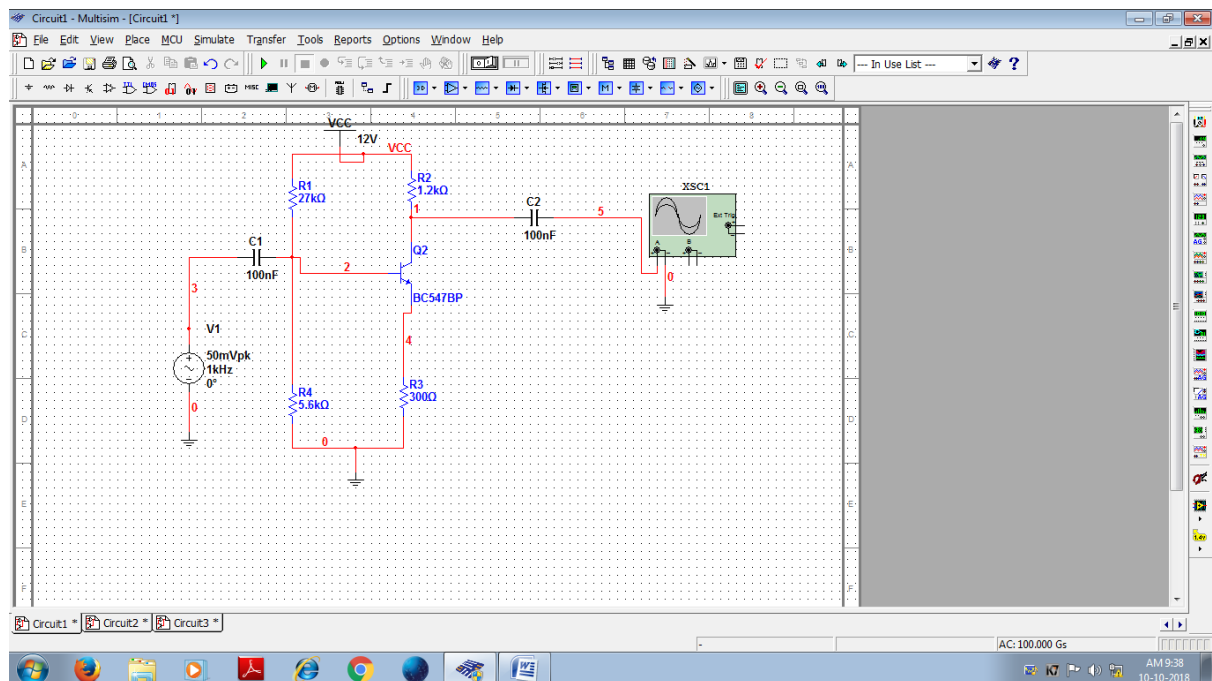
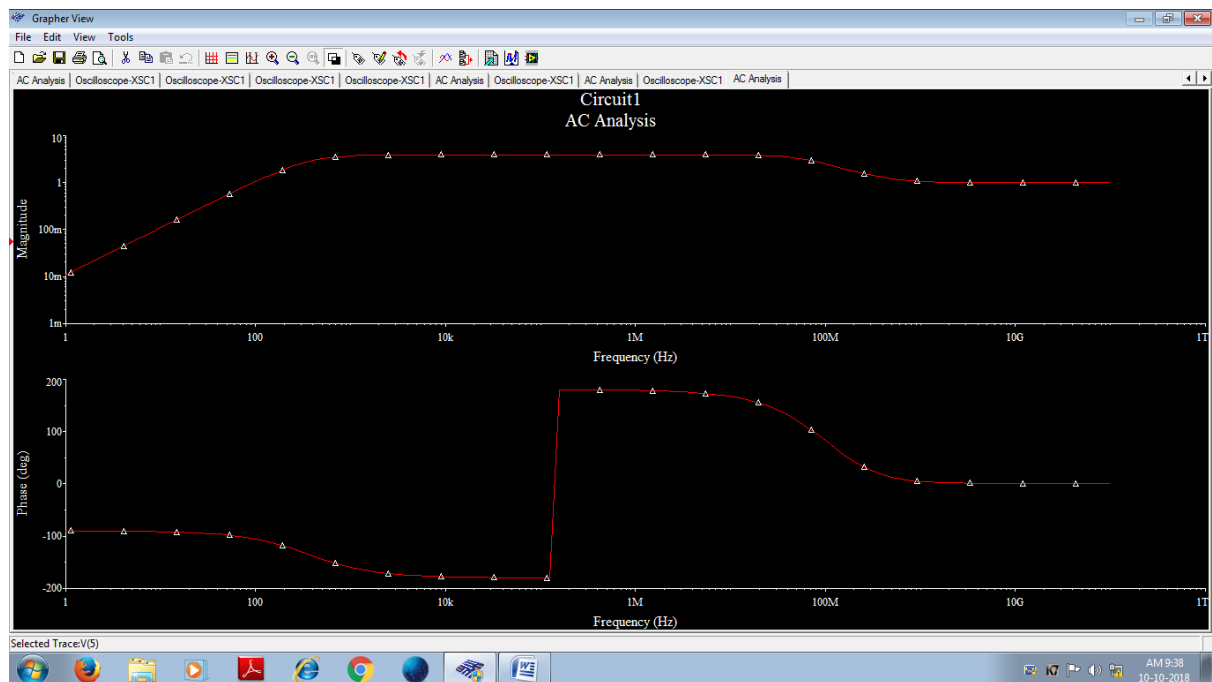
# **Analog Electronic Circuits**

## **Lab Assessment-5**

**Name: Sparsh Arya**

**Reg. No: 17BEC0656**

# 1.Serial Serial Circuit



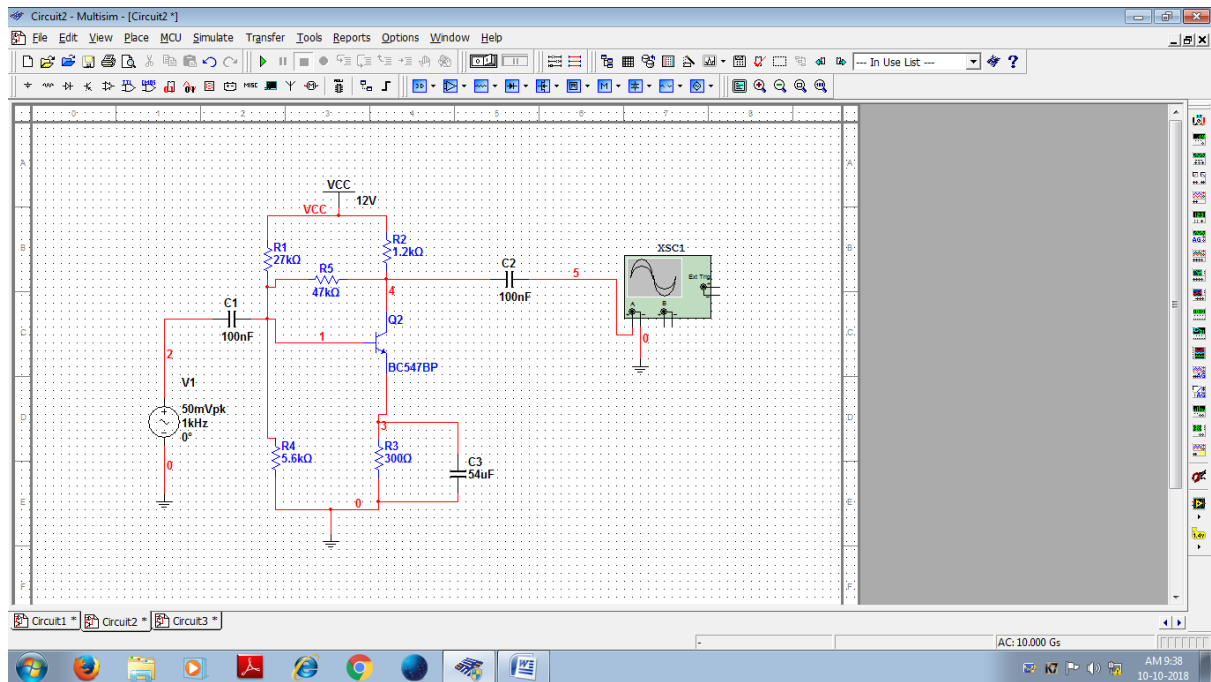
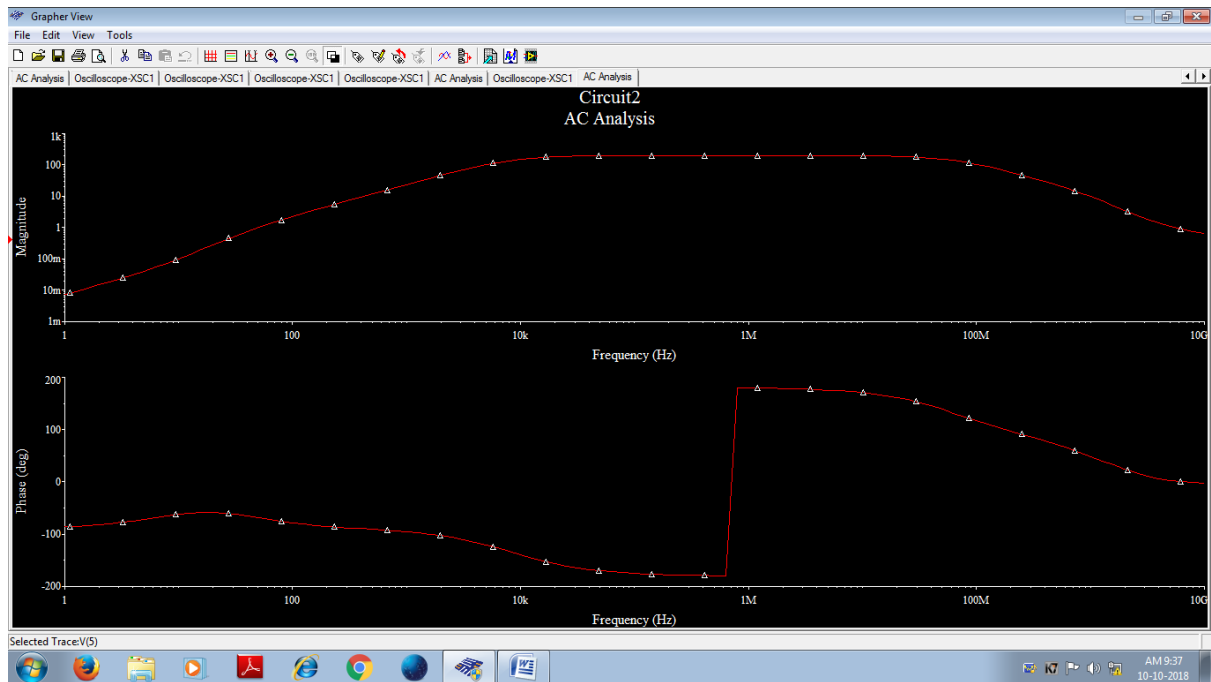
Mid Band Gain: 389Hz

$f_i=350\text{Hz}$ ;

$f_h=79.43\text{ MHz}$ ;

Bandwidth: 79.42 MHz

## 2.Shunt –Shunt Circuit



Mid Band Gain: 389Hz

$f_i=350\text{Hz}$ ;

$f_h=79.43\text{ MHz}$ ;

Bandwidth: 79.42 MHz

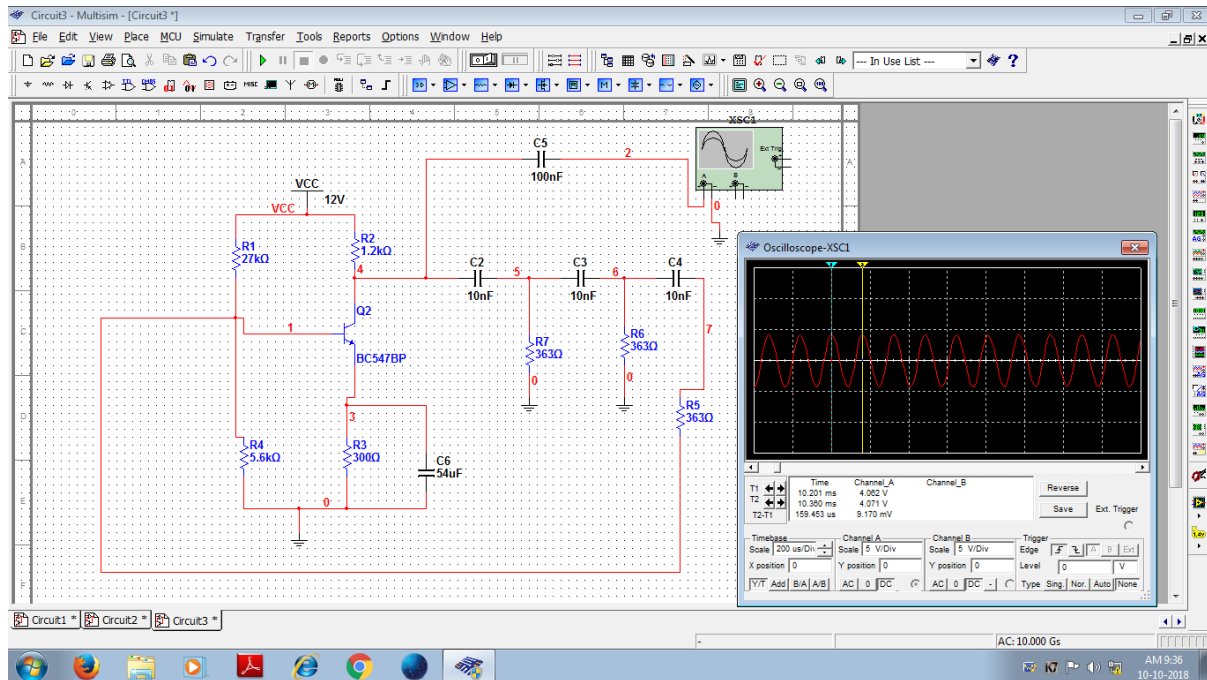
### 3.R C Phase shift Oscillator:

$f=10\text{kHz};$

$f=(1/2\pi RC*(4+6(R_o/R))^{(0.5)});$

$c=10\text{nF};$

$R=363\Omega;$



Time period=164.009us;

$f=6.097\text{ kHz};$

$V=8.243\text{V}$