

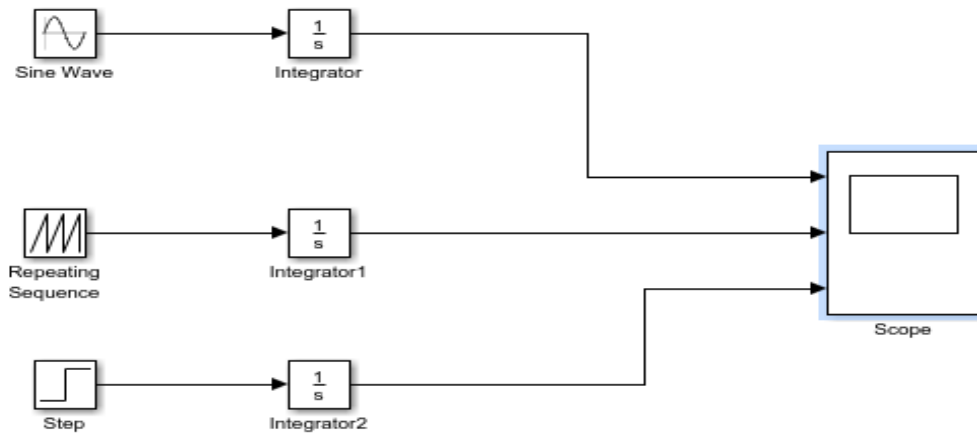
SIM LAB **ASSIGNMENT**

SUBMITTED BY: AKSHAY S RAO

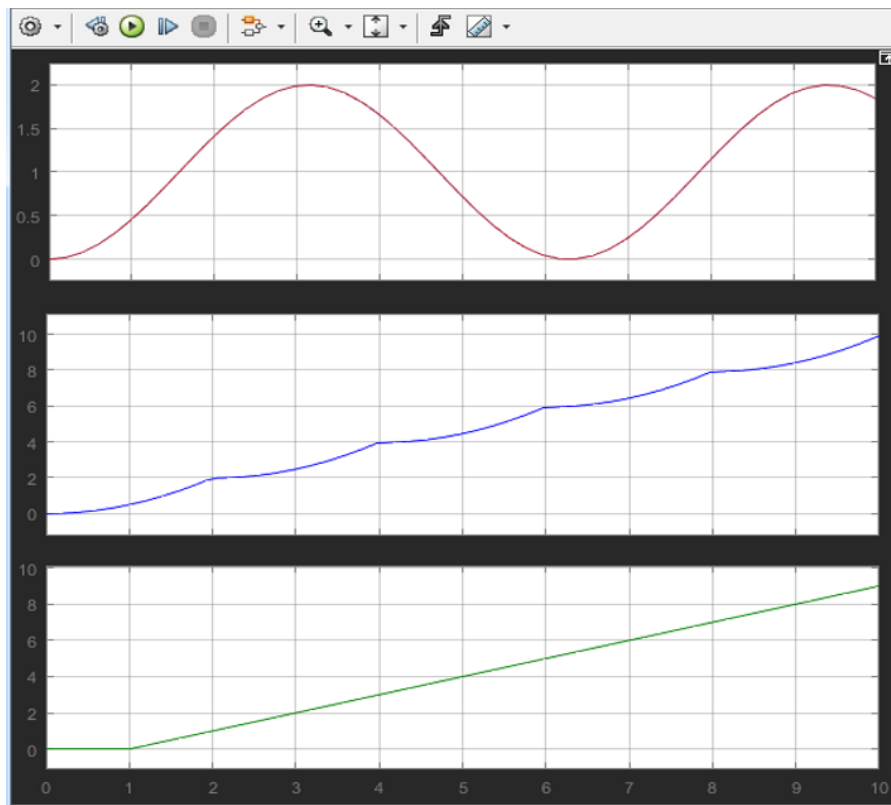
A1 BATCH,

3RD SEM, ECE

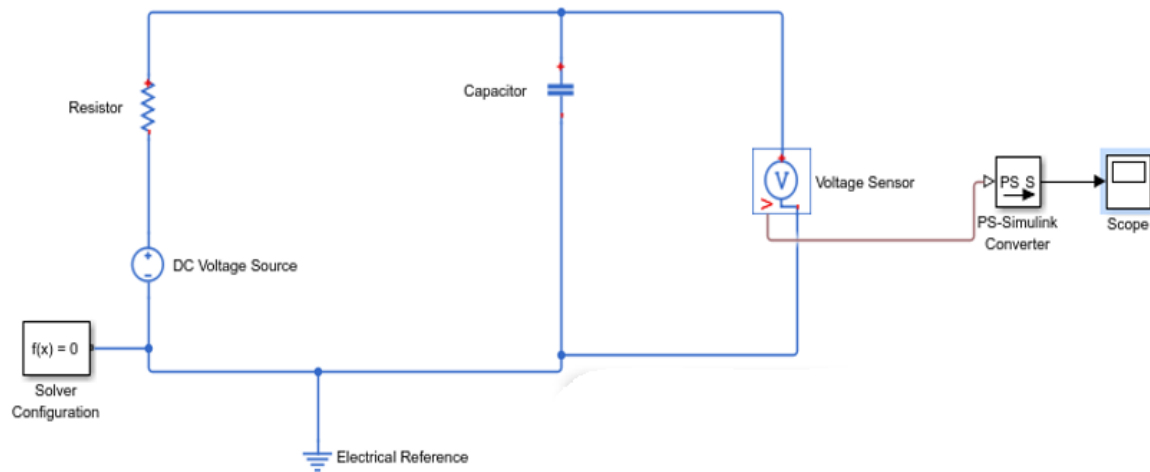
Q1.Create a SIMULINK model to integrate sine wave, saw tooth wave and square wave.



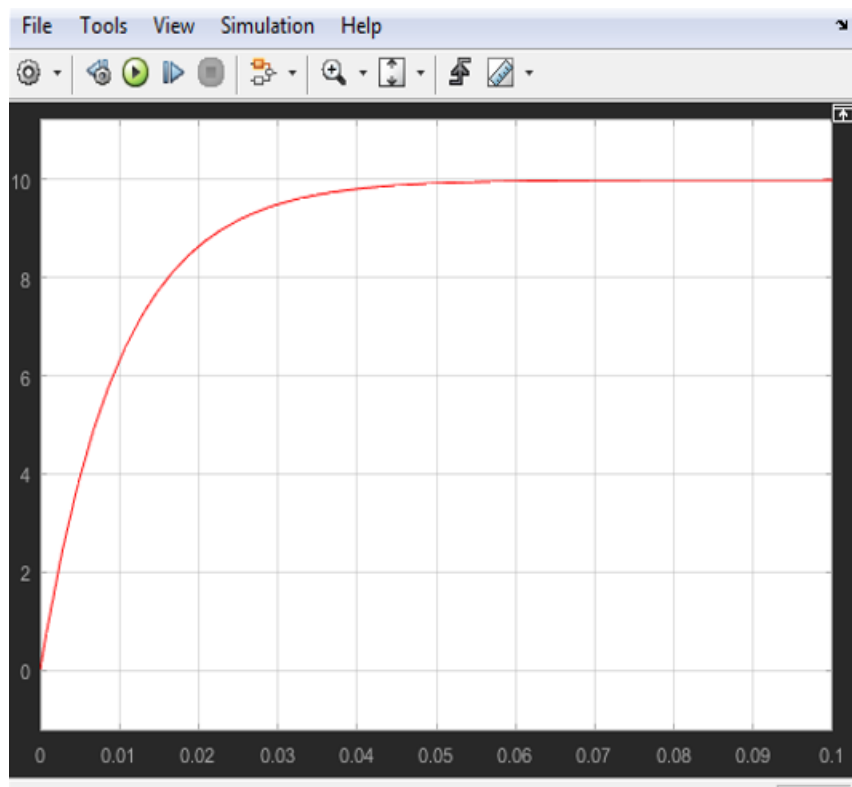
OUTPUT



Q2. Create model for first order system (RC) and show the step response.

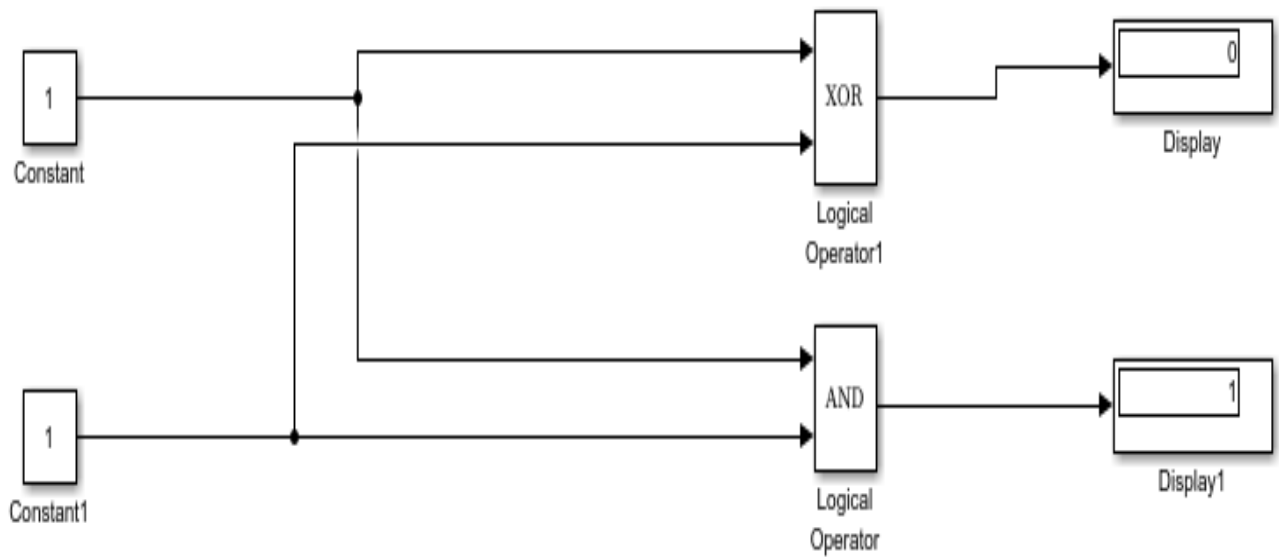


OUTPUT:

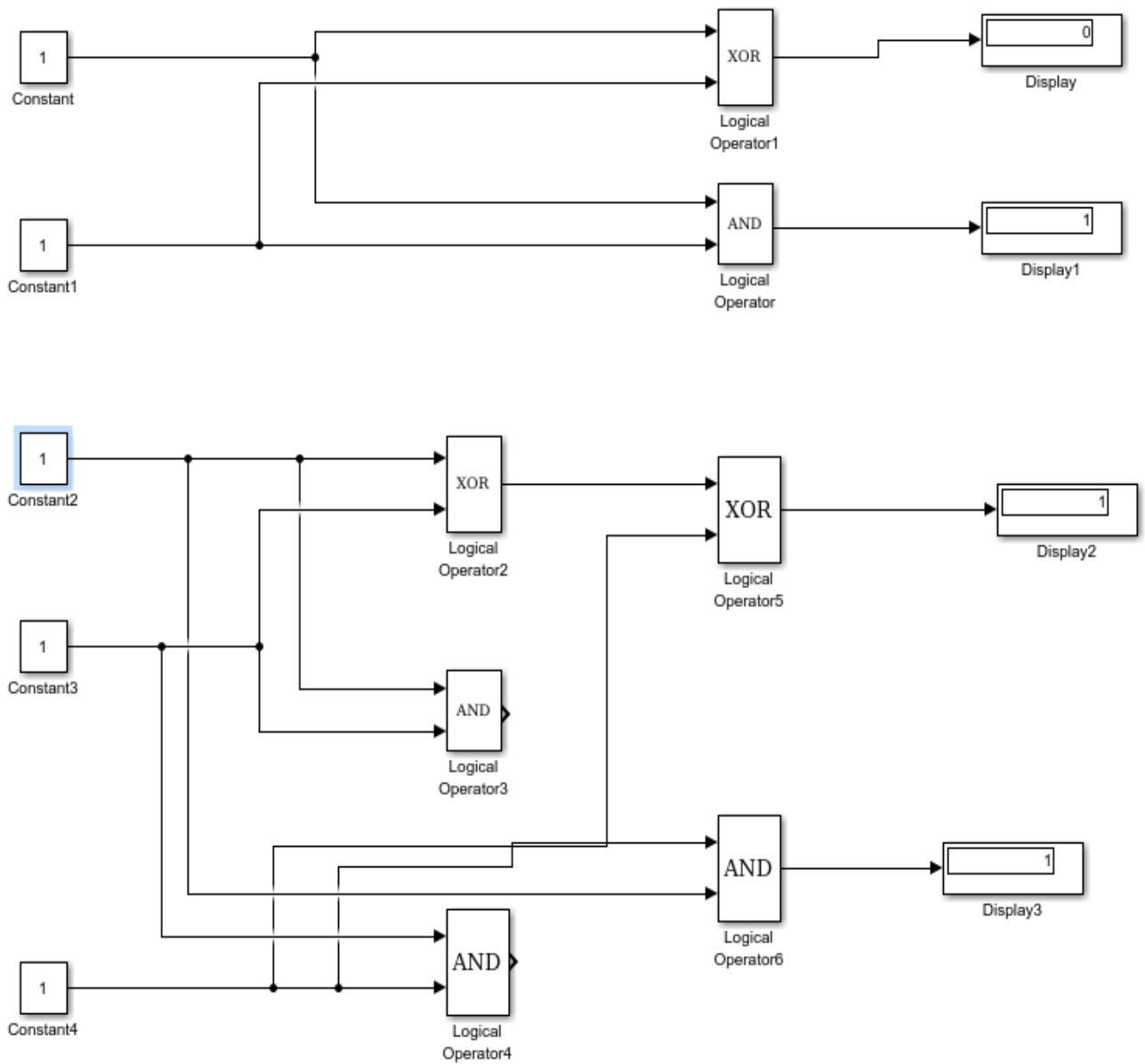


Q3.Generate Simulink block to perform full adder logical operation with y output and A, B inputs.

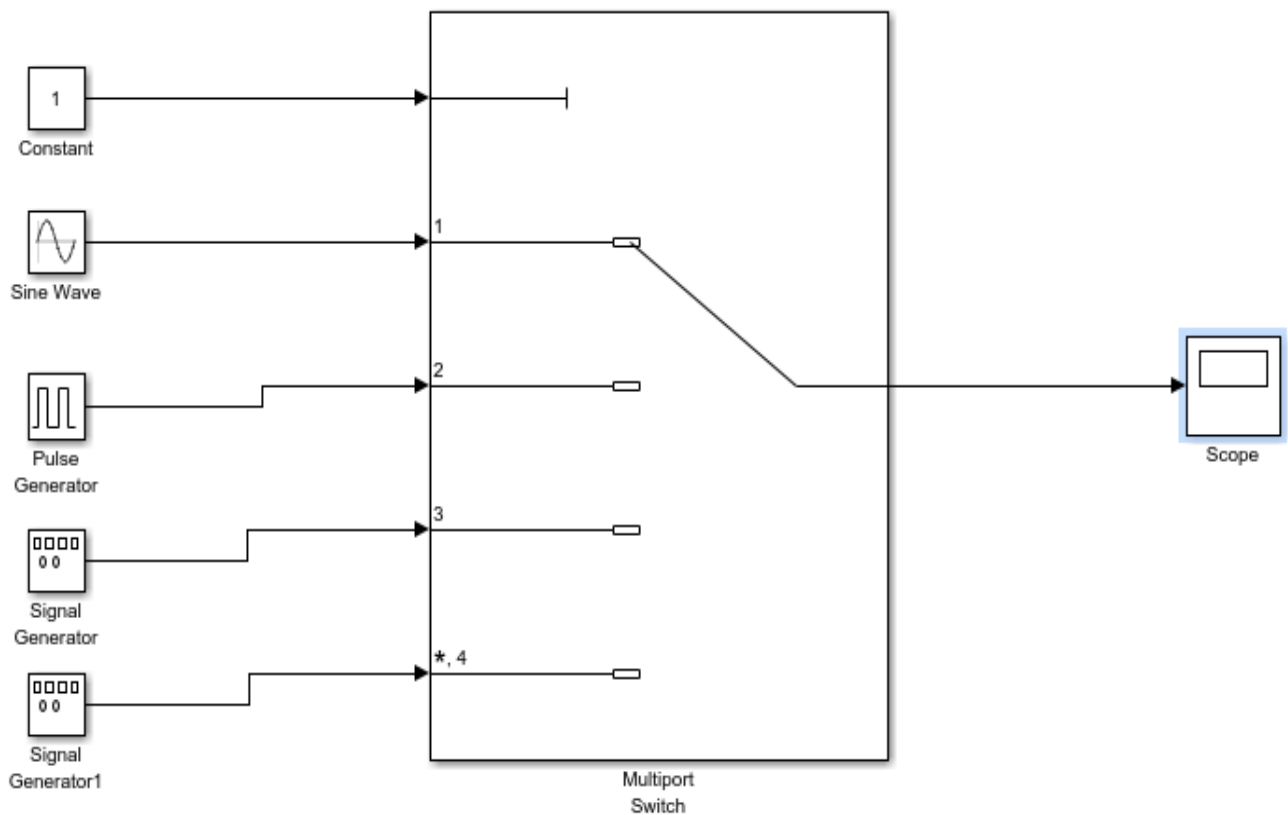
Half Adder block diagram:



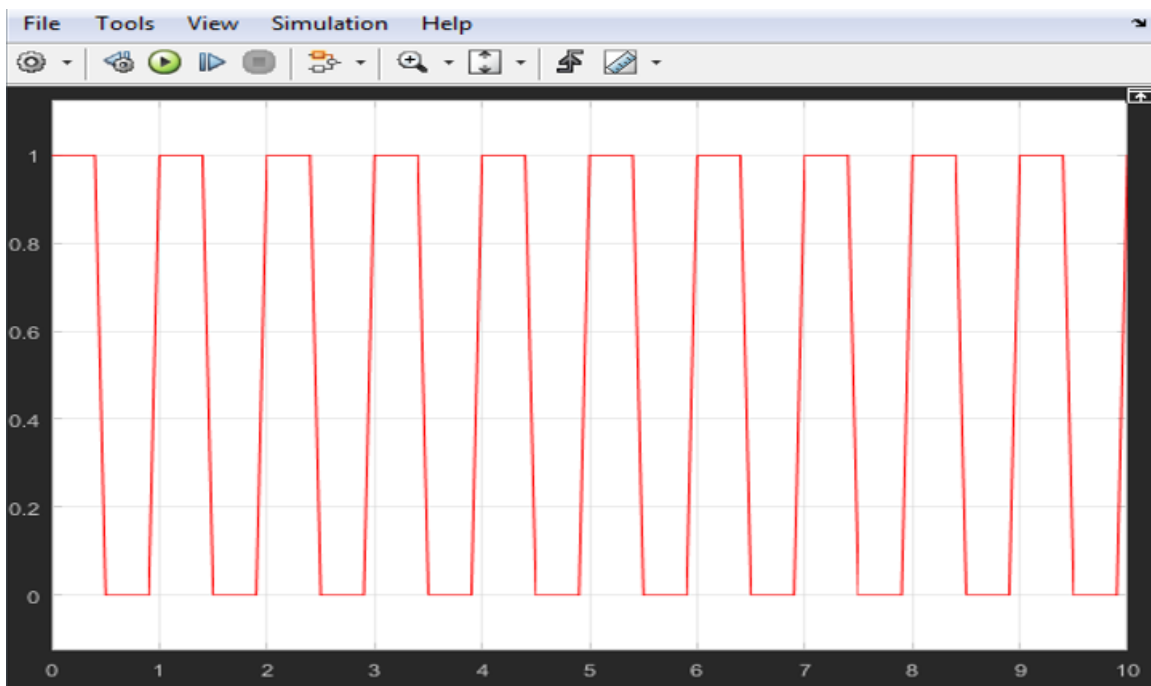
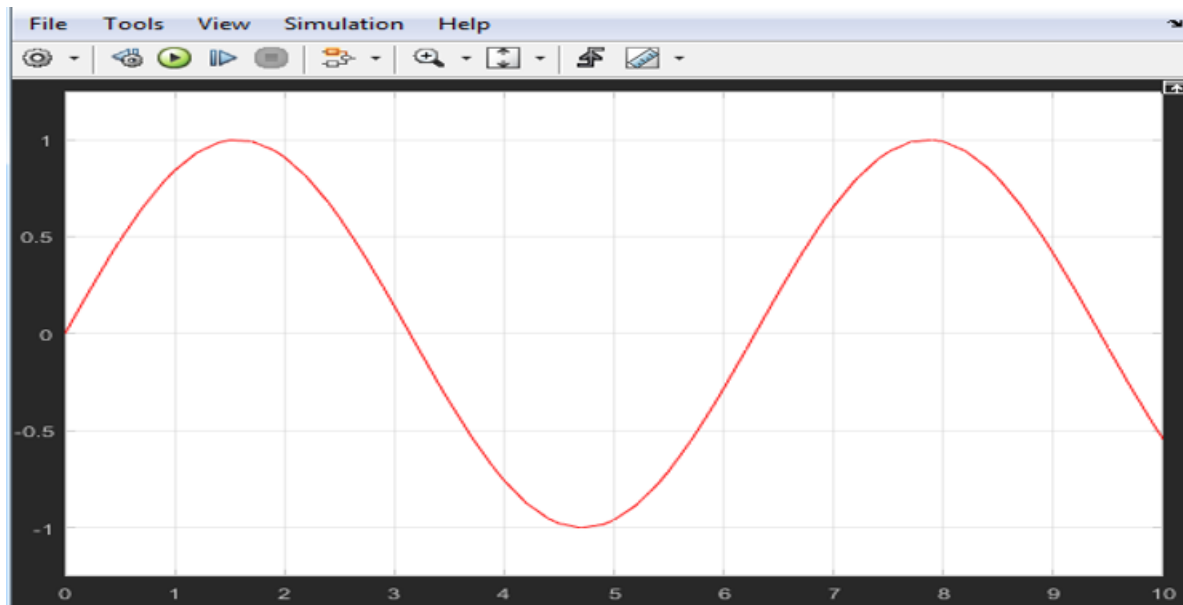
Full Adder block diagram:

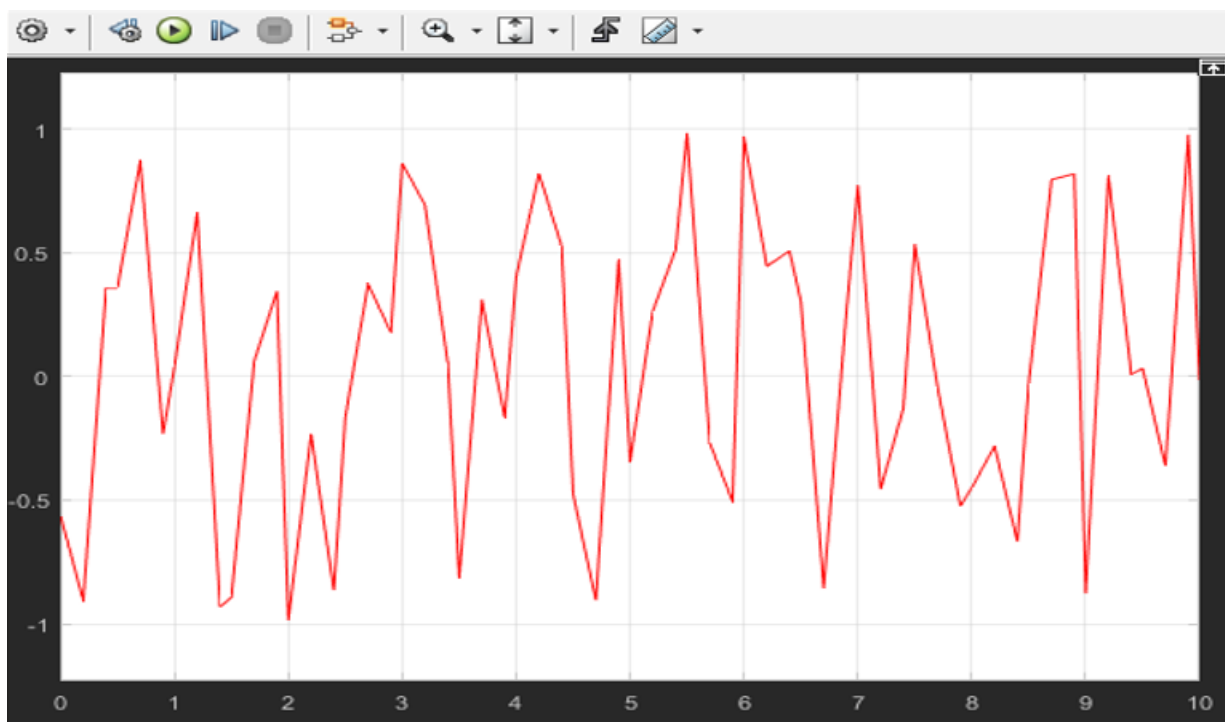
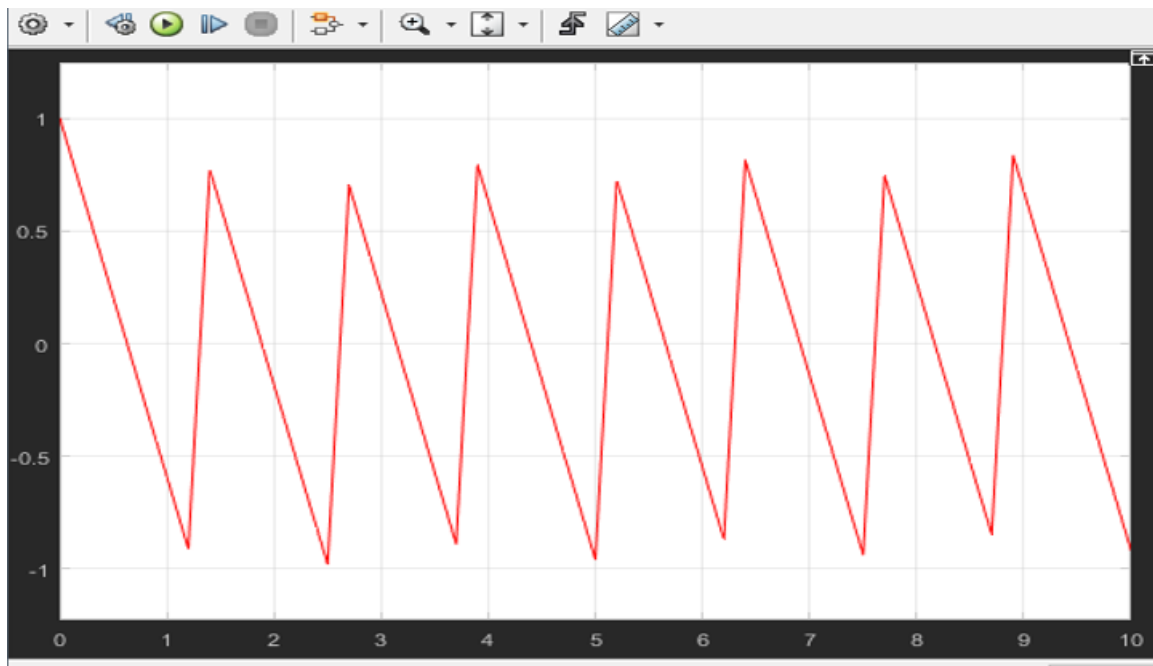


Q4.) Create SIMULINK model for transmitting four different waveforms using 4:1 MUX and display each waveform based on select line.



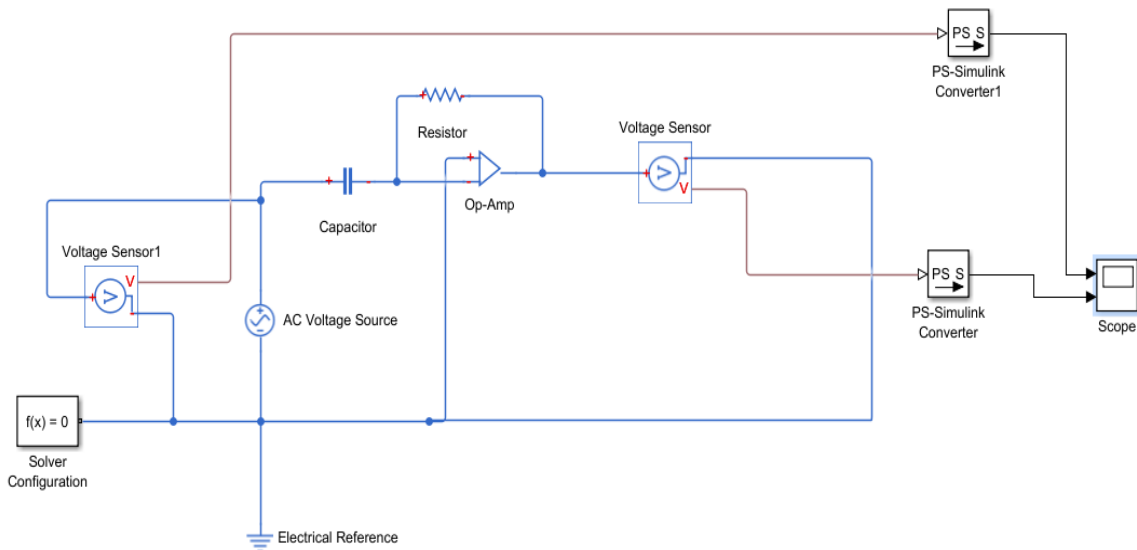
OUTPUT:



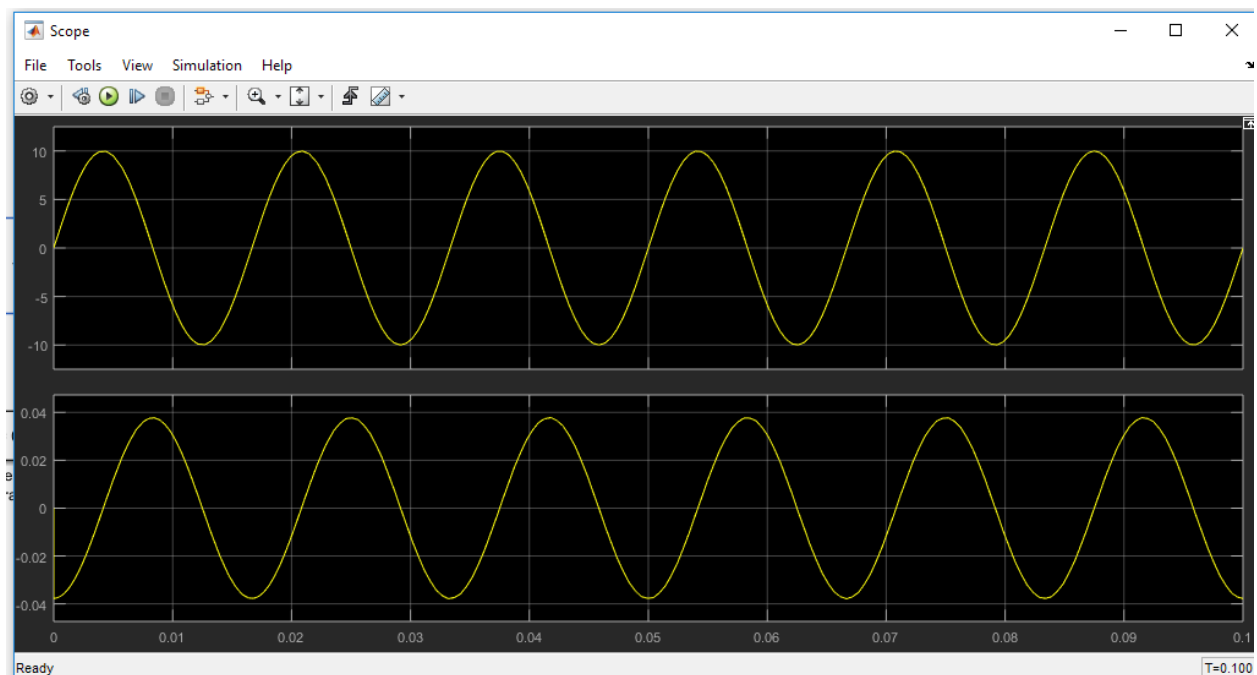


Q5.) Op-Amp Differentiator and Integrator.

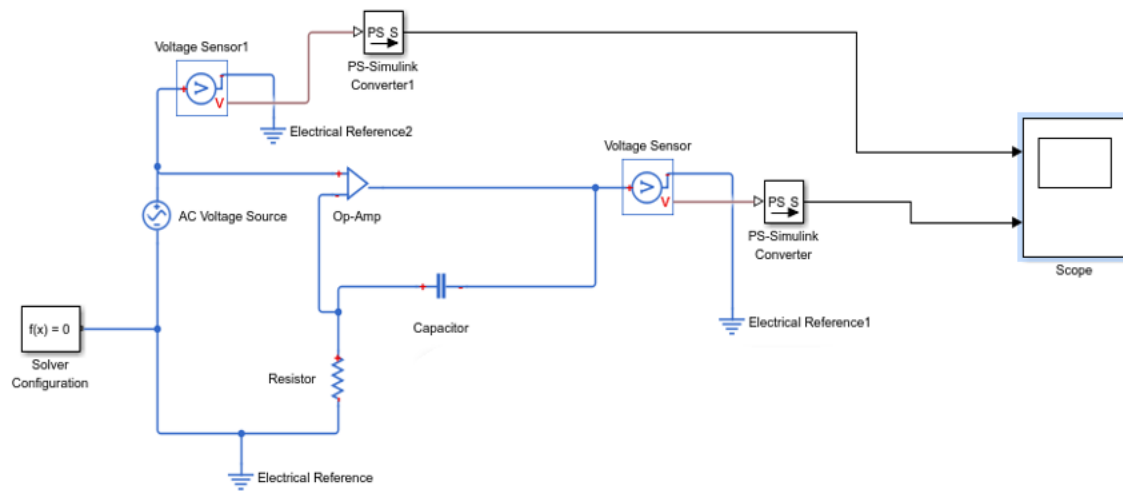
Op-Amp Differentiator.



OUTPUT:



Op-Amp Integrator.



OUTPUT:

