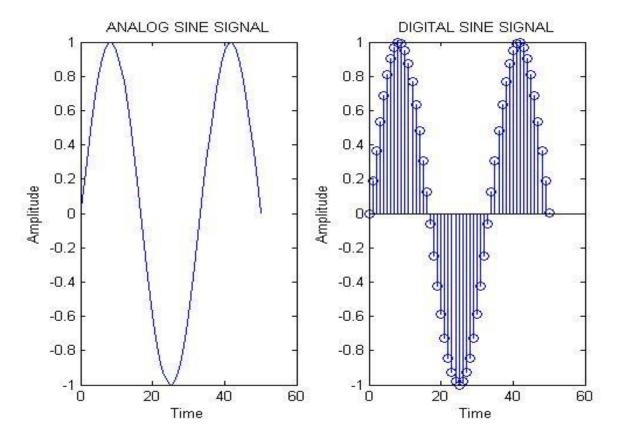# Experiment 5

Digital sin function

```
close all
clear all

n = 0:1:50;
f = 0.03;
a = 1;

y = a*sin(2*pi*(f*n));

subplot(121),plot(n,y),xlabel('Time'),ylabel('Amplitude'),title('ANALOG SINE SIGNAL')
subplot(122),stem(n,y),xlabel('Time'),ylabel('Amplitude'),title('DIGITAL SINE SIGNAL')
```