1. DISCRETE TIME USING MATLAB

CODE:

clear all;

close all;

clc;

f0=2000;

fs=50000;

%ts=1/fs;

n=0:1:90;

y=sin(2\*pi\*(f0/fs)\*n);

stem(n,y);

xlabel('Time');

ylabel('Amplitude');

title('Discrete Time Signal');

grid on;

close all;

clear all;

clc;

x=[1 -2 4 5];

n=[0 1 2 3];

figure(1);

stem(n,x);

close all;

clear all;

clc;

x=[1 2 3 4 5 6 7 8];

n=[3 4 5 6 7 8 9 10];

figure(2)

stem(n,x)

PLOT:

