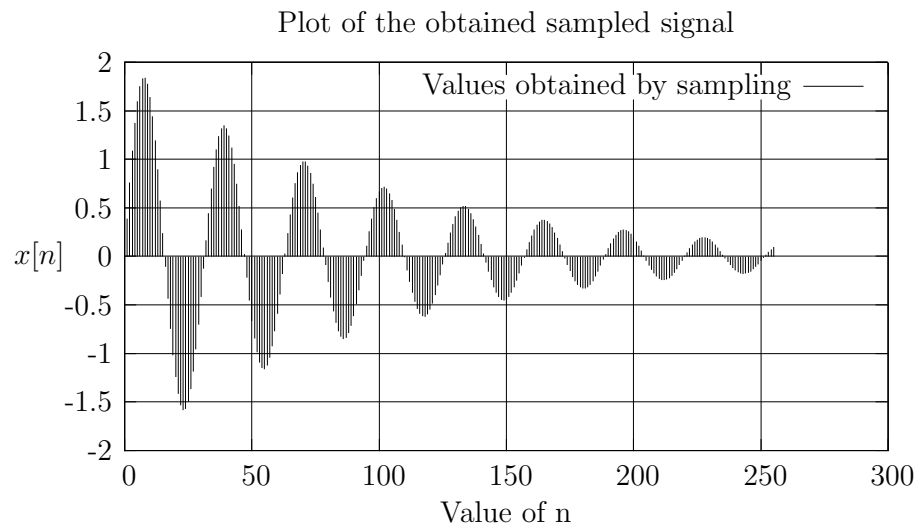## 1.4  Output

The output generated is a set of 256 values which are stored in the file
"samples_data.txt". Attached along with the document.
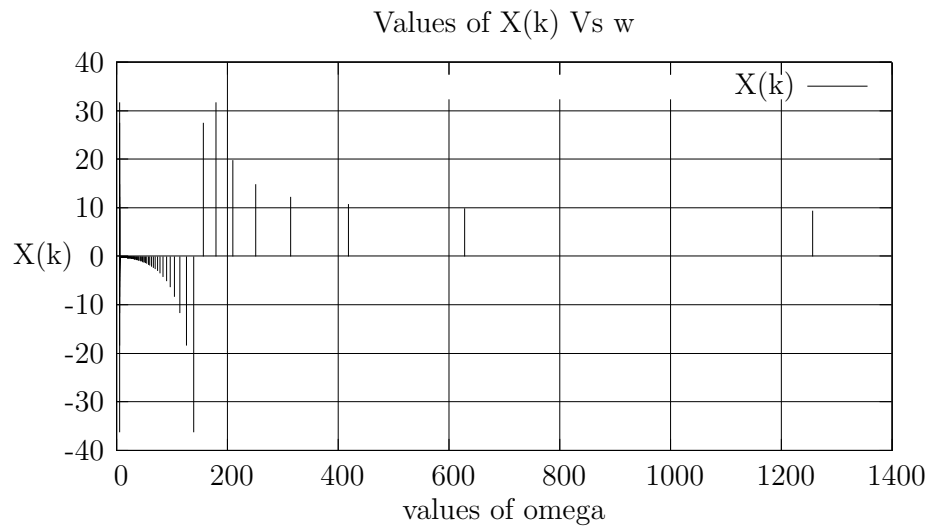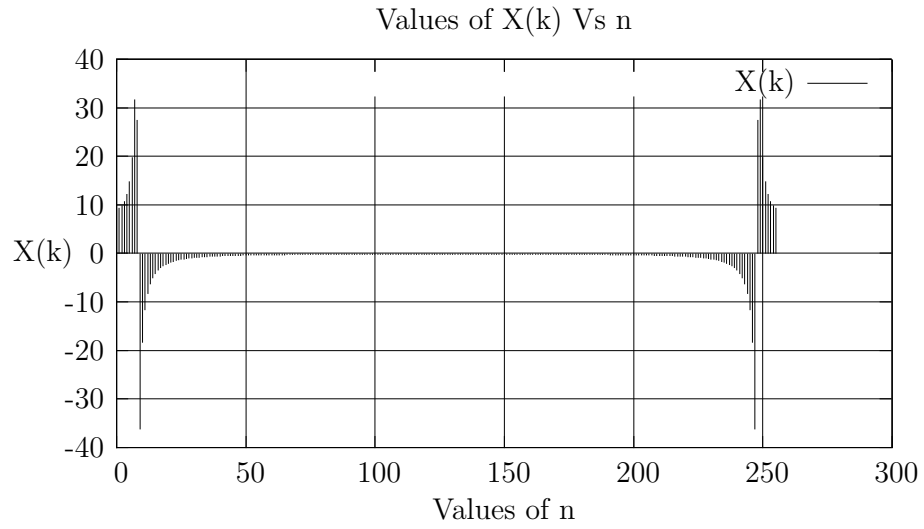
### 1.4.1  Plot
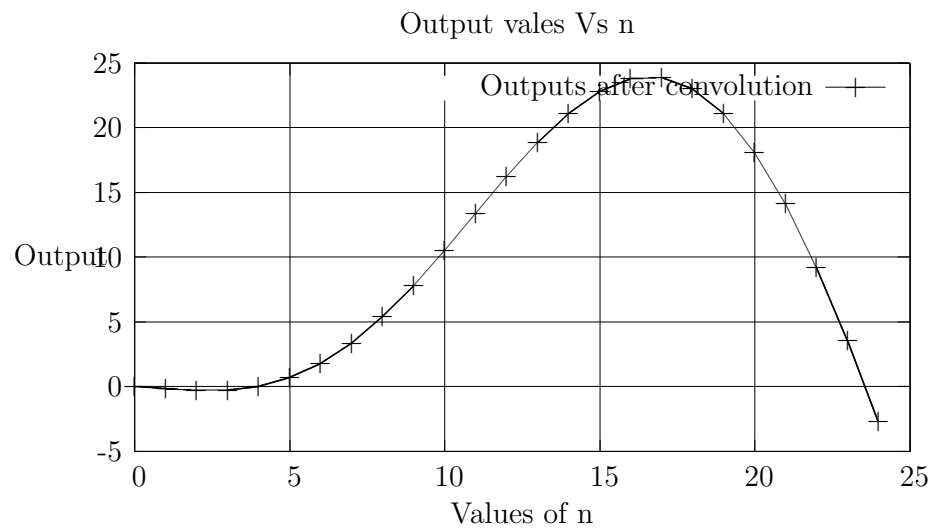
## 2.2   Output

The output files containing the values of $X(k)$ are in the files "samples_data_output.txt" and "samples_data_output.txt". And their plots are generated using gnuplot.

### 2.2.1   Plot

Values of X(k) Vs n

Values of X(k) Vs w

### 3.2.1 Plot

Output vales Vs n

### 4.2.1    Plot



Output values Vs n