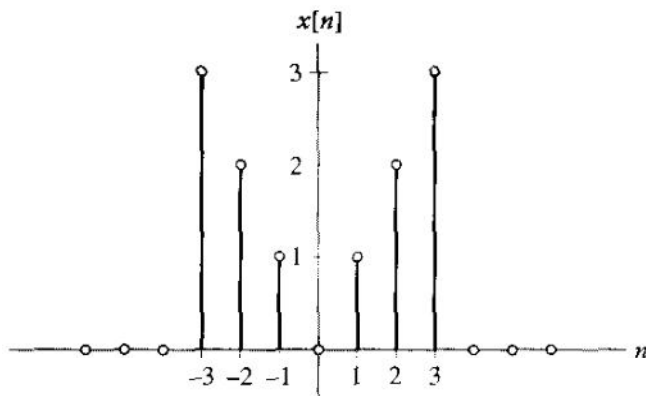
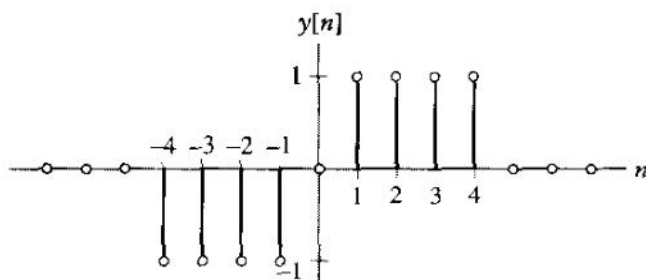


Expt 3: Operations on Signals

- 1) Generate and visualize the unit-step $u[n]$ with the following modification in the time axis: $u[n] - u[n - 2]$ for the time duration $0 \leq n \leq 9$; .
- 2) Generate and visualize the signal $x[n] = [2 \ 3 \ 4 \ 5 \ 0]$ in terms of impulse functions.
- 3) Generate $x[n]$ and $y[n]$ as given in figure below and sketch the following signals
 - (i) $x[3n - 1]$
 - (ii) $x[n - 2] + y[n + 2]$



(a)



(b)