

## Lab Session No. 02

2. The operations discussed in lab can also be performed on DT signals (sample by sample). Write MATLAB scripts to generate and plot each of the following signals for the intervals indicated.

a)  $x(n) = n^2 [u(n+5) - u(n-6)] + 10\delta(n) + 20(0.5)^n[u(n-4) - u(n-10)] \quad -10 \leq n \leq 10$

b)  $x(n) = (0.2)^n[u(n-5) + u(n+6)]\delta(n-5) + 20(0.5)^n[u(n+4)] \quad -10 \leq n \leq 10$

