Exp-1 → To study the representation of a dynamical system in transfer s-domain function (Pole-Zero) Form (Using MATLAB) Representation

① $T(s) = \dfrac{5}{(s+1)}$

(ii) $\dfrac{10\,s}{s^2+3s+2}$

(iii) $\dfrac{10(s+1)}{(s^2+5s+6)(s+2)}$

(iv) $\dfrac{10}{s^2(s+1)}$

(v) $\dfrac{10(s^2+5s+6)(s+2)}{(s^2+8s+9)(s+1)}$

(vi) $\dfrac{10(s)(s+1)^2}{(s+2)}$

(I) By LT (PFE)
For ① and (ii) Find Step Response

(II) MATLAB → Step resp
All

(III) Comment on Step response
By Plotting Pole zero dia