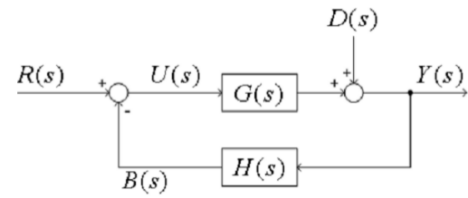
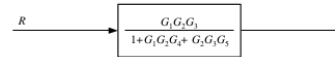
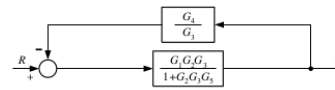
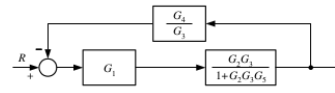
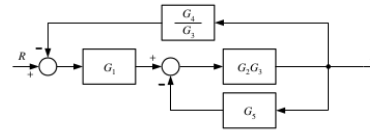
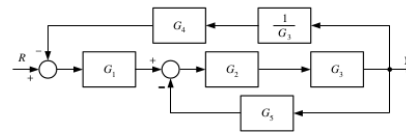
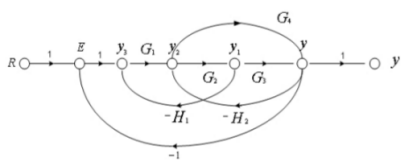
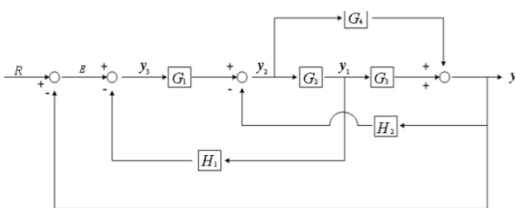
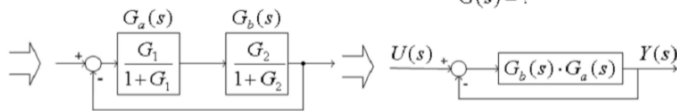
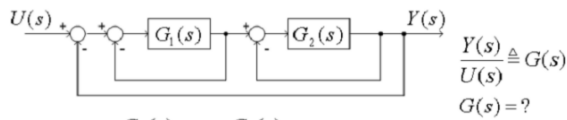
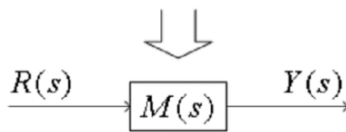
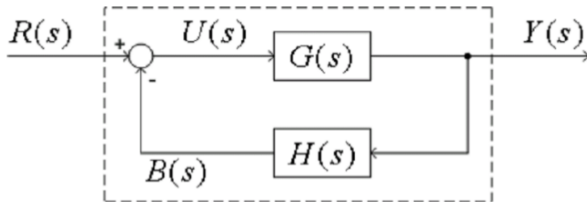


<Fig> Block Diagram

Sol.)
$$G(s) = \frac{G_1 G_2 G_3}{1 + G_1 G_2 G_4 + G_2 G_3 G_5}$$



$$Y(s) = D(s) + (-1)G(s)H(s)Y(s)$$

$$\therefore (1 + G(s)H(s))Y(s) = D(s)$$

$$\therefore Y(s) = \frac{1}{1 + G(s)H(s)} D(s)$$

