$$4,(1) = -5^{\circ}, G_{f} = 80^{\circ}, t_{f} = 45$$

$$\Delta_0 = -5$$
, $\Delta_1 = 0$, $\Delta_2 = 15.94$, $\Delta_3 = -2.66$

$$\theta(t) = -5 + 15.94 t^2 - 2.66 t^3$$

$$\dot{\Theta}(t) = 31.88 t - 7.98 t^2$$

$$6)(t) = 31.88 - 15.96t$$

$$\frac{1}{16} \ge \frac{4 \times 85^{\circ}}{16} = 21.25^{\circ}/5^{2}$$

$$\exists \dot{\Theta} = 42\%^2 \ \Box f$$
, $t_{\alpha_1} = \left[\frac{4}{2} - \frac{42^2 \times 4^2 - 4 \times 42 \times 85}{2 \times 42}\right] = 0.5945$

$$\theta_{01} = -5^{\circ} + (\frac{1}{2} \times 42 \times 0.594^{2}) = 2.4^{\circ}$$

$$\dot{O}_{c} = \dot{o}_{1} t_{a_{1}} = 42 \times 0.594 = 24.95 \%$$