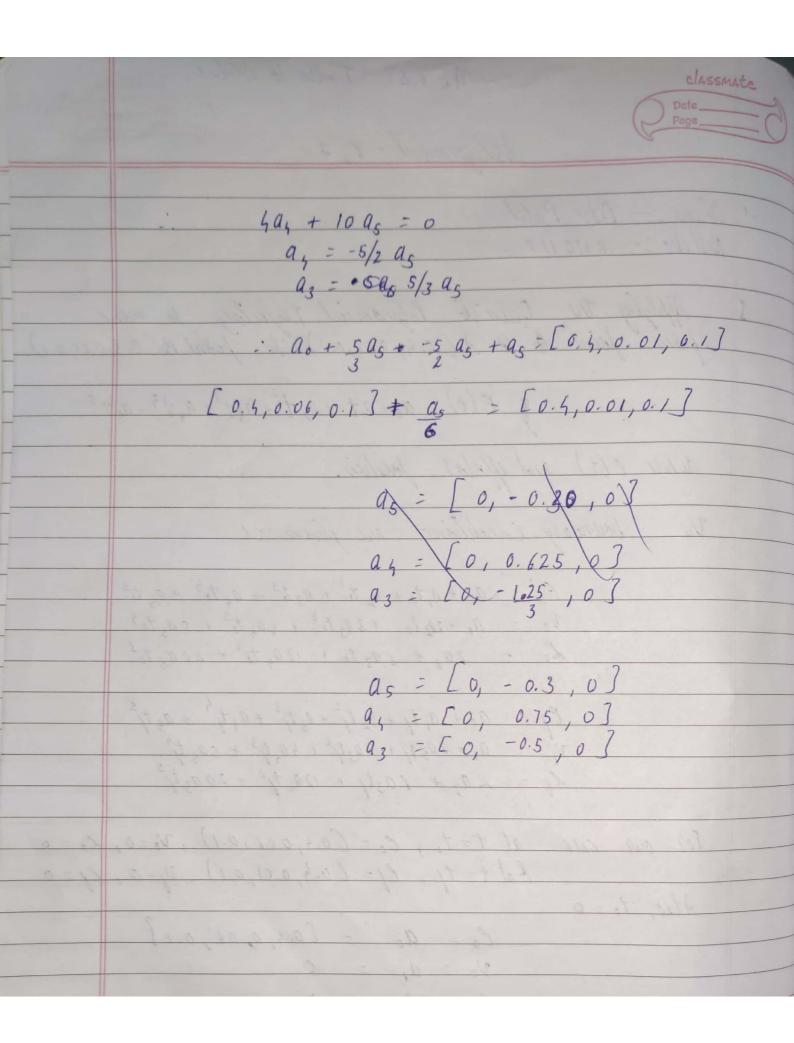
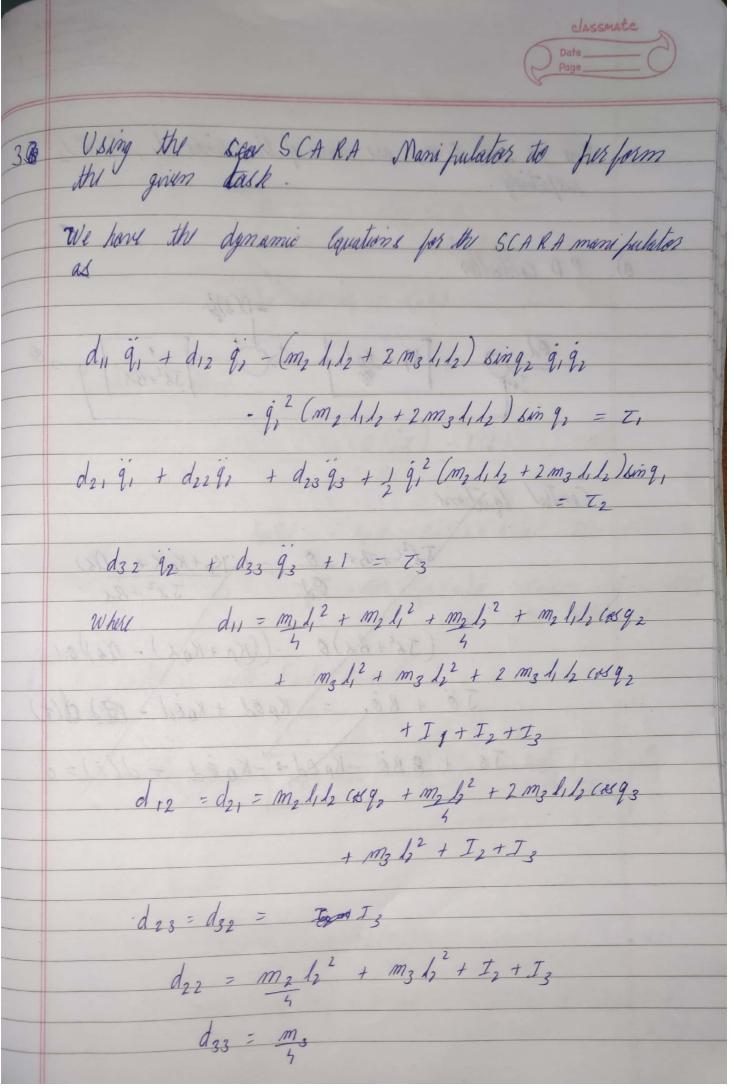
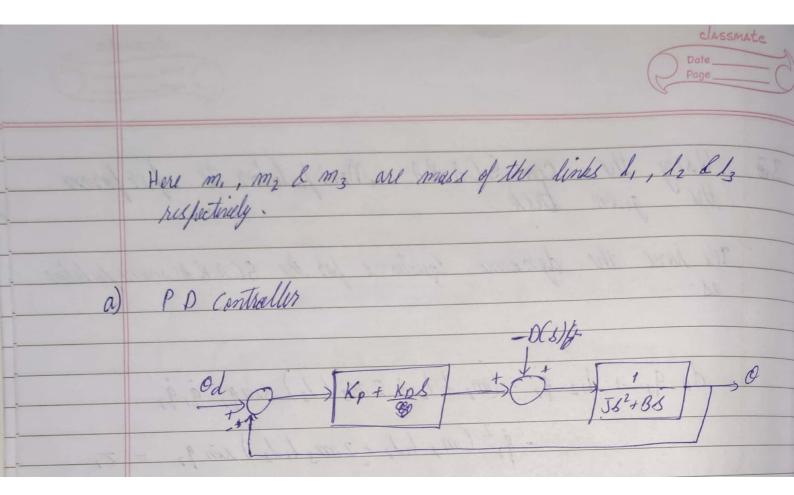
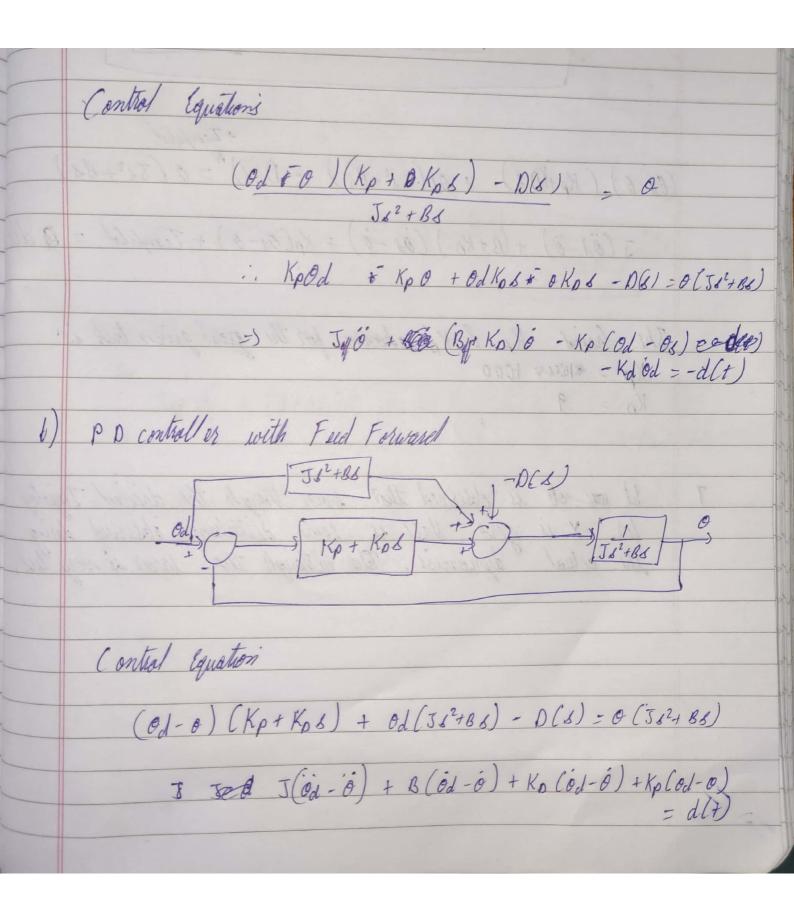
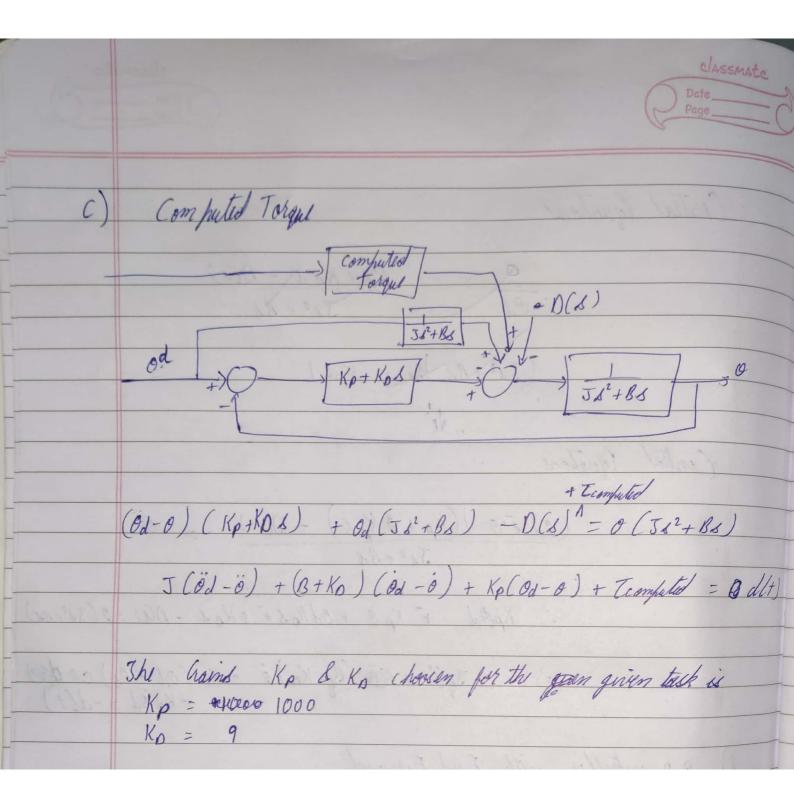
	ME 639 - Intro to Rotolis classmate
	Assignment - 6, 7
1	Name: - Der Patel
	Rell No: - 18110113
	A STATE OF THE STA
1	Applying the Quintie Polynomial Trajectory to many
	prom faint to to A (0.4, 0.06, 0.1) To paint B (0.4, 0.01, 0.1)
	g P(t) = a0 + a, t + a, t + a, t3 + a, t3 + a, t5
	Where e(t) end effector position.
	The houndarn condition of
	The boundary conditions are given as
	Co = ao + a, to + a2 to + a3 to + a4 to + a5 to
	Vo = a, +20, to +30, to 2 + 40, to 3 + 50, to 5
	Lo = 2a2 + 6a3 to + 12a4 to 2 + 20 a5 to
	00 = 10 = 03 01
	Ef = a + a, t + a + t + a + t + a + t + a + t + a + t + a + t + a + t + a + t + a + t + a + a
	V1 = a, + 2a, t, + 3a, t, + 4a, t, + 5a, t,
	$\mathcal{L}_{1} = 2a_{2} + 6a_{3}t_{1} + 12a_{4}t_{1}^{2} + 20a_{5}t_{1}^{2}$
	For our case at t=to, Co= (0.4, 0.06, 0.1), Vo=0, Lo=0
	For our case at $t = t_0$, $C_0 = (0.4, 0.06, 0.1)$, $V_0 = 0$, $X_0 = 0$ Eat $t = t_1$, $C_1 = (0.4, 0.01, 0.1)$, $V_1 = 0$, $X_1 = 0$
	Also, to = 0 Co = do = [0.4, 0, 06, 0.1]
	vo = a, = 0
	Lo = 2a2 = 0
	ty=1, i. e kedehing paint B in 18le
	6 - 40 + 43 1 44 145 - [0.1] 1.15
	l v1 = 393 + 494 + 595 = 0
	$2/=6a_3+12a_4+20a_5=6$

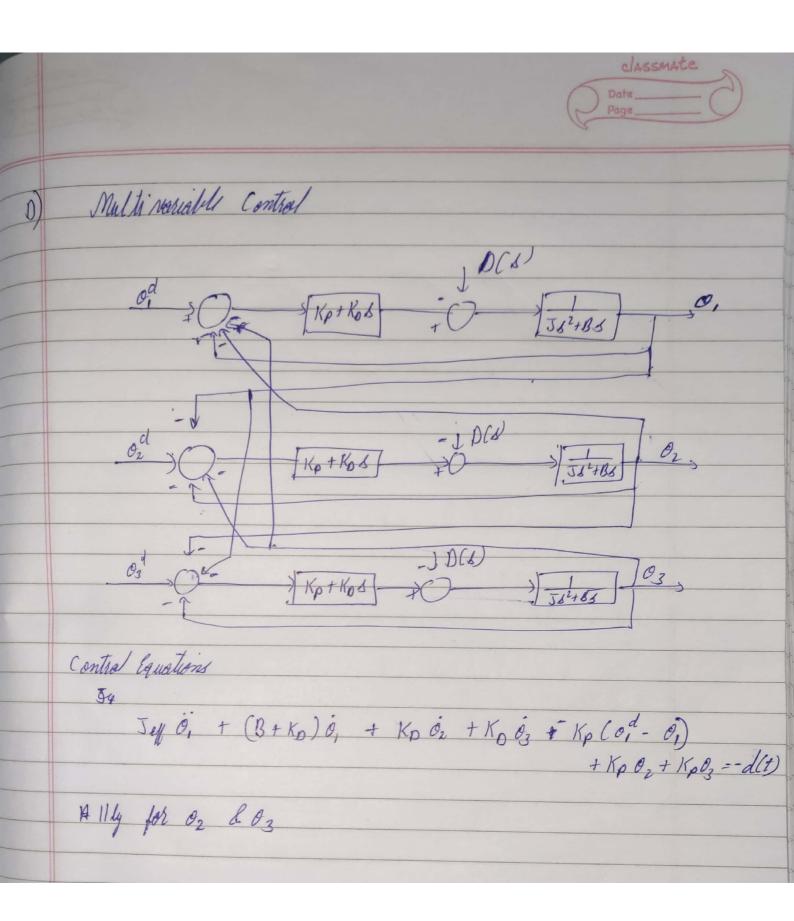












7 St was of is observed that even though the desired tripitary
for X is gero, there is some disturbance observed during
the actual dynamics. The sethough the error is very bus.