IZUCHUKWU CHIDERA VICTOR

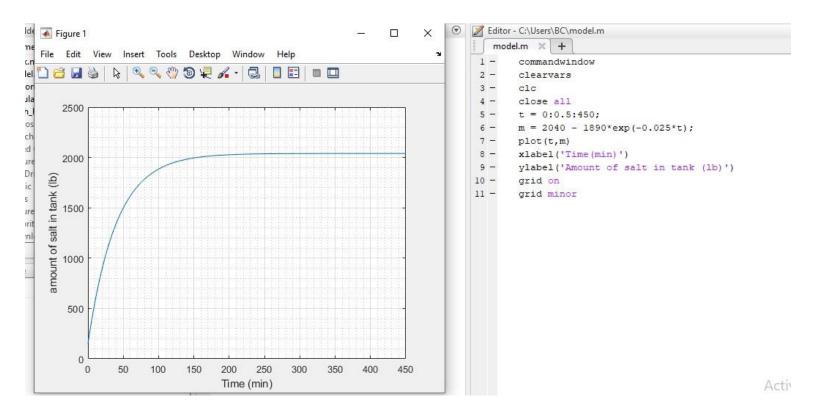
18/ENG05/024

MECHATRONICS

ENGINEERING MATHEMATICS II ASSIGNMENT V

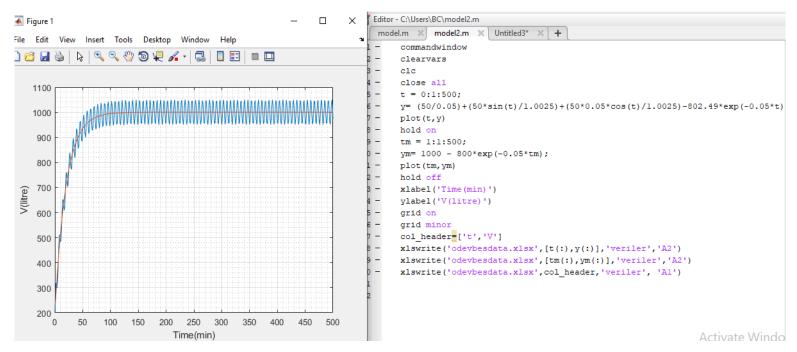
Am = 50+50 sint - 30 Cout Δt $C_{out}(t) = m(t)$ and V(+) = 1200 + 20 + $\vee(t)$ from eq (a) Cout = m + 11200+20± $\Delta m = dm = 50 + 50 \sin 2 - 30 m$ $\Delta t = 6t = 1200 + 20$ 6m = 50+ 50sint - 0.025 JF

MATLAB SCREENSHOT



QUESTION TWO

MATLAB SCREENSHOT



EXCEL SCREENSHOT

	1 (a)						14 14 14 14	S 20 S	1
16	15	622.1068							
17	16	640.5368							
18	17	658.0681							
19	18	674.7443							
20	19	690.6072							
21	20	705.6964							
22	21	720.0498							
23	22	733.7031							
24	23	746.6906							
25	24	759.0446							
26	25	770.7962							
27	26	781.9746							
28	27	792.6078							
29	28	802.7224							
30	29	812.3438							
31	30	821.4959							
32	31	830.2016							
33	32	838.4828							
34	33	846.3601							
35	34	853.8532							
36	35	860.9808							
37	36	867.7609							
38	37	874.2103							
39	38	880.3451							
40	39	886.1807							
41	40	891.7318							
10	10-2	Sheet1	veriler	(+)					