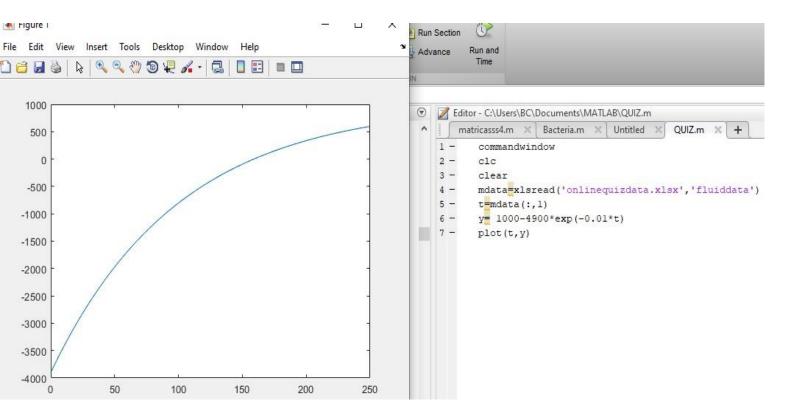
IZUCHUKWU CHIDERA VICTOR

18/ENG05/024

MECHATRONICS

QUESTION TWO



QUESTION ONE

After 5 minites = 20°C 5mi Actual System temp = 25°C Time of thermo. to reach 24.9°C = ? 5min = 300sec $1^{\circ} = \frac{300}{10} = 305ec$ 24.9°C - 20°C = 4.9°C 4.9° × 30 = 245 mg 147 sec = 2.45 min Time to reach 24-9°C = (5+2.45)min = 7.45 min