

18/ENG02/013

AGOMOH CHUKWUEMEKA ENIMANUOC

COMPUTER ENGINEERING

MATHS QUIZ

Initial Temp (IT) =  $10^{\circ}\text{C}$

Second Temp (ST) =  $20^{\circ}\text{C}$

Time from IT to ST = 5 mins = 300

Actual Temp (AT) =  $25^{\circ}\text{C}$

Seys Temp (CT) =  $24.9^{\circ}\text{C}$

2 Time (2T) = PP

If from IT to ST =  $20^{\circ}\text{C} - 10^{\circ}\text{C} = 10^{\circ}\text{C}$

and it takes 5 mins to cover  $10^{\circ}\text{C}$   $\therefore$

$5^{\circ}\text{C} = \frac{1}{2}$  of 5 mins

$= 5^{\circ}\text{C} = 2.5$  mins (to make from  $20^{\circ}\text{C}$  to  $25^{\circ}\text{C}$ )

$25^{\circ}\text{C} = 2.5\text{m}$

$\therefore 24.9^{\circ}\text{C} =$

$$= \frac{2.5 \times 24.9}{25} \quad \left\{ \begin{array}{l} 2.5\text{m} = 150\text{sec} \end{array} \right.$$

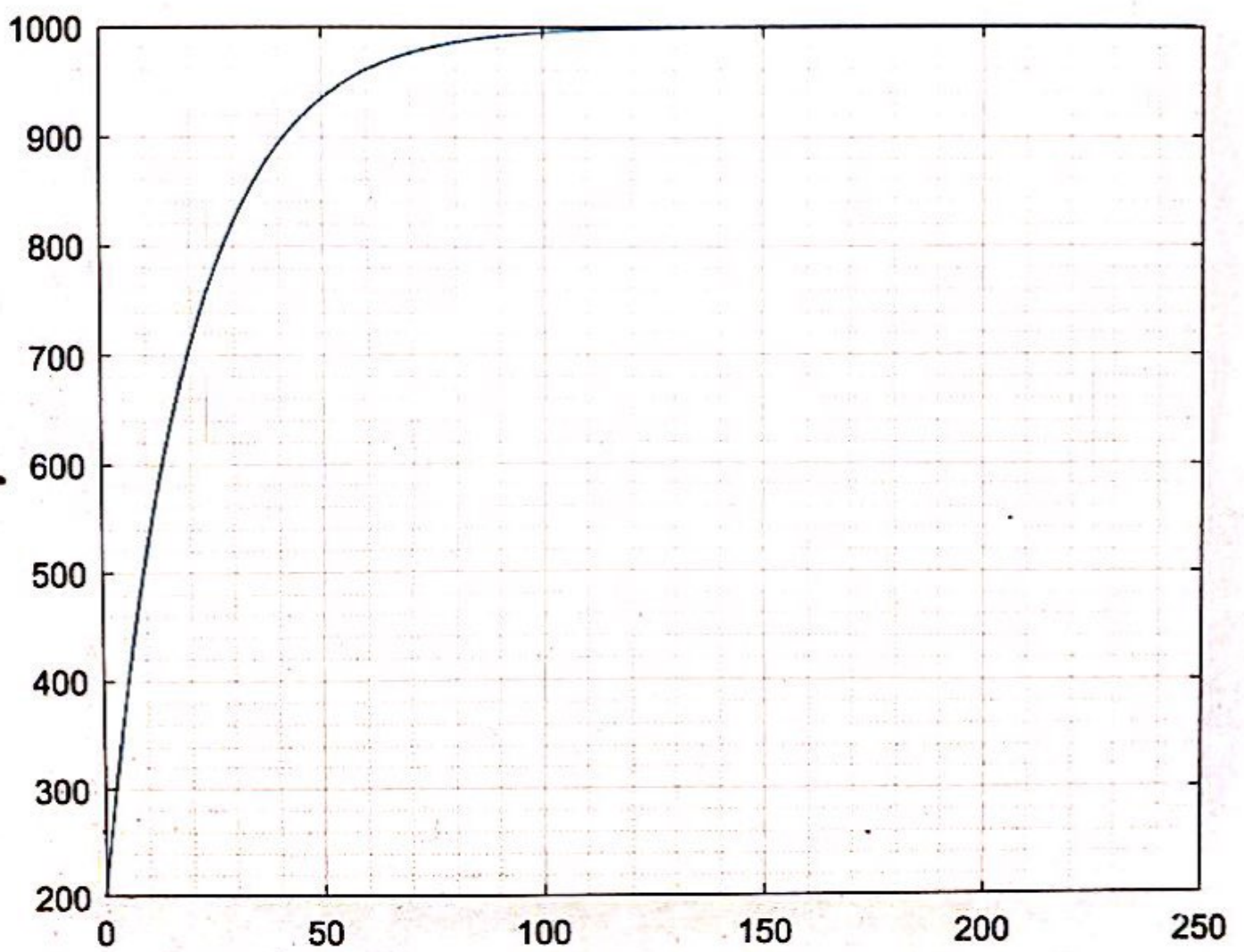
$$\frac{150 \times 24.9}{25} = 6 \times 24.9 = 149.4$$

$$= 149.4 \div 60$$

$$= 2.49 = 2\text{mins } 49\text{sec}$$

Figure 1

File Edit View Insert Tools Desktop Window Help



yimaquiz2.m x +

```
- commandwindow  
- clear  
- clc  
- close all  
- format short g  
- mdata=xlsread('onlinequizdata','fluiddata')  
- x=mdata(1:2:250,1)  
- y=mdata(1:2:250,2)  
- plot(x,y)  
- grid on  
- grid minor|
```

I

Command Window

86  
88  
90  
92  
94  
96  
98  
100  
102

script

Ln 11 Col 11