

Celebration of Life

MAKINDÉ PAULUKE JESUNAN (Sm)
18/ENR 06/001 MECHANICAL

$$T_1 = 10^\circ\text{C}$$

$$T_2 = 20^\circ\text{C}$$

$$\text{Time} = 5 \text{ minutes} = 300 \text{ SECS}$$

$$\text{Actual } T = 24.9^\circ\text{C}$$

$$\Delta T = T_2 - T_1 = 20 - 10 = 10^\circ\text{C} \text{ and it takes}$$

5 mins to clear 10°C

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

$$= 2 \text{ mins } 30 \text{ SECS}$$

$$25^\circ\text{C} = 2 \times 5 \times 180$$

$$24.9 = x$$

$$= \frac{180 \times 24.9}{25}$$

$$25$$

$$= 2 \text{ mins } 27 \text{ SECS}$$



Pa. (Engr.) Victor Oladele
LANIYAN

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Courtesy:

Mr. & Mrs. Niyi-Tokunbo Laniyan

```
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
fx 102