

OKORIE NNANNA IROHA  
181ENAO3/046.

Civil Eng.

Eng. 282.

Q. 1

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

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

$$\text{Time taken} = 5 \text{ min.} = 300 \text{ sec.}$$

$$\Delta T = 20 - 10 = 10^\circ\text{C}$$

$$\text{Fond } T = 24.9^\circ\text{C} \quad \Delta T_c = 24.9 - 10 = 14.9^\circ\text{C}$$

$$10^\circ\text{C to } 300 \text{ sec.}$$

$$14.9^\circ\text{C to } x$$

$$10x \text{ to } 300 \times 14.9$$

$$10x = 4470$$

$$x = 447$$

$$x = 7 \text{ min } 27 \text{ sec.}$$

```
yimaquiz2.m x +  
- commandwindow  
- clear  
- clc  
- close all  
- format short g  
- mdata=xlswread('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
```

script

Ln 11 Col 11



EDITOR

Figure 1



Insert File Edit View Insert Tools Desktop Window Help



Comment  
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ts ▶ MATI

Ed

yi

- 1 -
- 2 -
- 3 -
- 4 -
- 5 -
- 6 -
- 7 -
- 8 -
- 9 -
- 10 -
- 11 -

