

Eng 282

Baror Oghenelege Okireme

B/MTHS01/107

Computer Engineering

Question 1

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

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

Time taken = 5 minutes = 300 secs

Actual temp = (CT) =  $24.9^\circ\text{C}$

2 time (2T) = ?

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

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

$5^\circ\text{C} = 2.5 \text{ mins (150 secs)}$

$25^\circ = 2.5 \text{ min 150 sec}$

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

$$x = \frac{150 \times 24.9}{25}$$

$$x = 6 \times 24.9 = 149.4 \\ = 2 \text{ mins } 49 \text{ secs}$$

999.95  
999.95  
999.96  
999.96  
999.96  
999.97  
999.97  
999.97  
999.98  
999.98  
999.98  
999.98  
999.98  
999.99  
999.99  
999.99  
999.99  
999.99  
999.99  
999.99  
999.99  
999.99  
999.99  
999.99  
999.99  
1000  
1000  
1000  
1000  
1000  
1000



