

Name: Sulwinder Ardan Iseulwira

Dept: Elect/Elect

Matric No: 19/ENGT041066

Course Title: ENGINEERING MATHEMATICS

Question 1:

T_1

T_1 OF thermometer = 10°C

T_2 OF thermometer = 20°C

Time taken = 5 minutes = 300 SECS

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

Find $T = 24.9^\circ\text{C}$ $\Delta T C = 24.9 - 10 = 14.9^\circ\text{C}$

14.9°C to y

$10 y$ to 300×14.9

$10 y = 4470$

$y = 447$ seconds

$y = 7$ minutes 27 SECS.