

# Congratulations

on the successful completion  
of your

Hamzat Kehinde Odusoga **FIRST DEGREE** IN LAW (LL.B degree)

15 Eng/07/022  
Odegun



Golden dust

Days	Avg Accum Day	Temp Night
1) Mon 17/02/20	35°C	25°C
2) Tue 18/02/20	36°C	28°C
3) Wed 19/02/20	35°C	25°C
4) Thurs 20/02/20	36°C	25°C
5) Fri 21/02/20	37°C 179°C	25°C

To calculate thermal energy

$Q = MC\Delta T$  where  $Q = \text{Thermal Energy (J)}$

$M = \text{mass (kg)}$

$C = \text{Specific heat}$

$\Delta T = \text{Change in Temp}$

Step 1 = calculate  $\Delta T$

Sommon - Frid

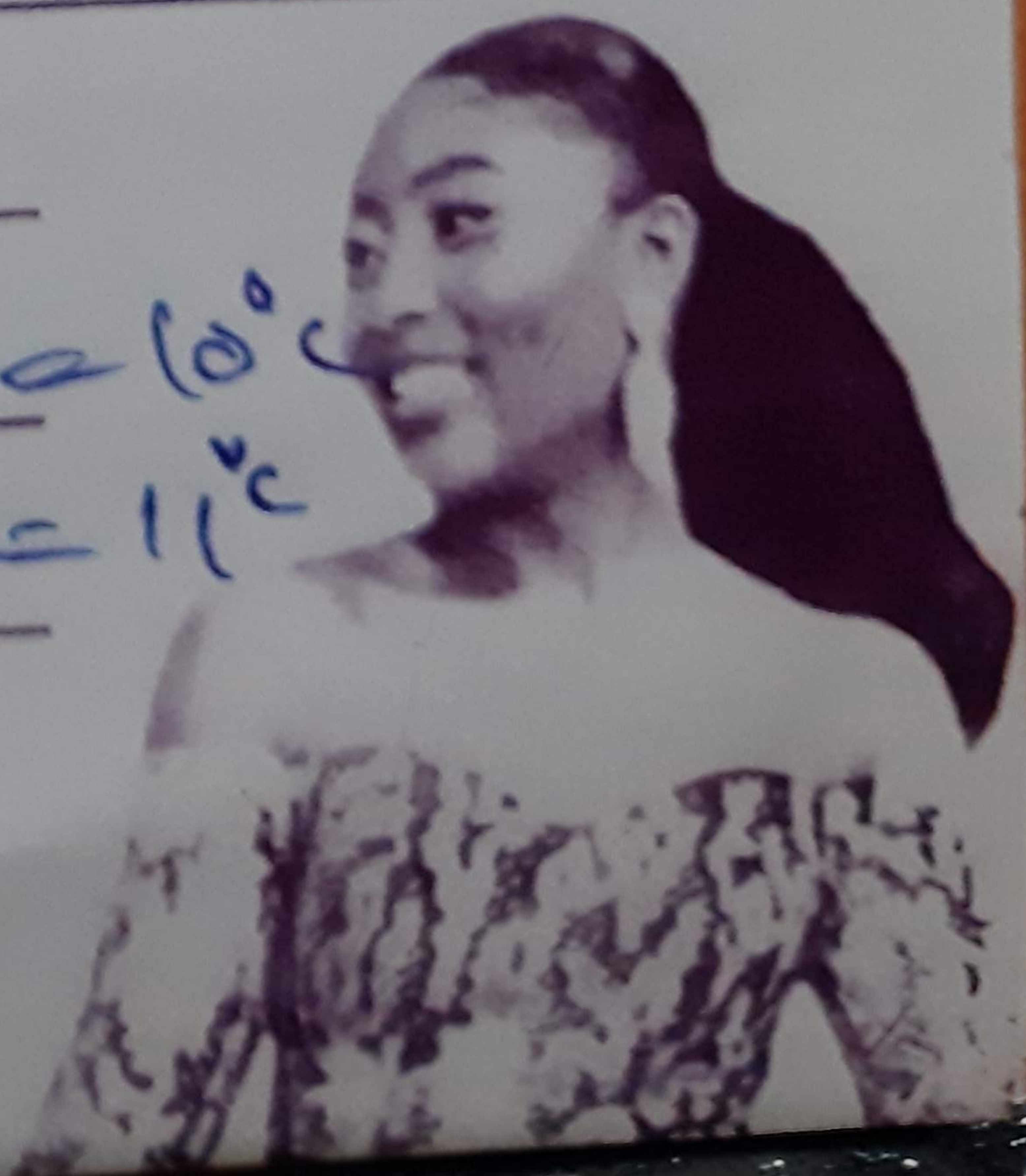
$$\text{Monday } \Delta T = 35 - 25 = 10^\circ\text{C}$$

$$\text{Tues Day } \Delta T = 36 - 25 = 11^\circ\text{C}$$

Miss Love Ayomide  
GBENGA-FABUSIWA

21st October, 2019.

Courtesy: Dr. & Dr. (Mrs) Gbenga-Fabusiwa





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ACS



Recall the specific heat capacity table for  
Air

Specific heat capacity of air is  $1020 \text{ kg}^\circ\text{C}$

Steps  $\rightarrow$  Calculate the thermal energy for

Monday

$$Q = mc\Delta T$$

$$= 2171000 \times 1020 \times 10 = 22,144,200,000$$

Tuesday

$$Q = mc\Delta T$$

$$= 2171000 \times 1000 \times 11 = 24,881,000,000$$

for Wednesday

$$Q = mc\Delta T$$

$$= 2171000 \times 1020 \times 10 = 22,144,200,000$$

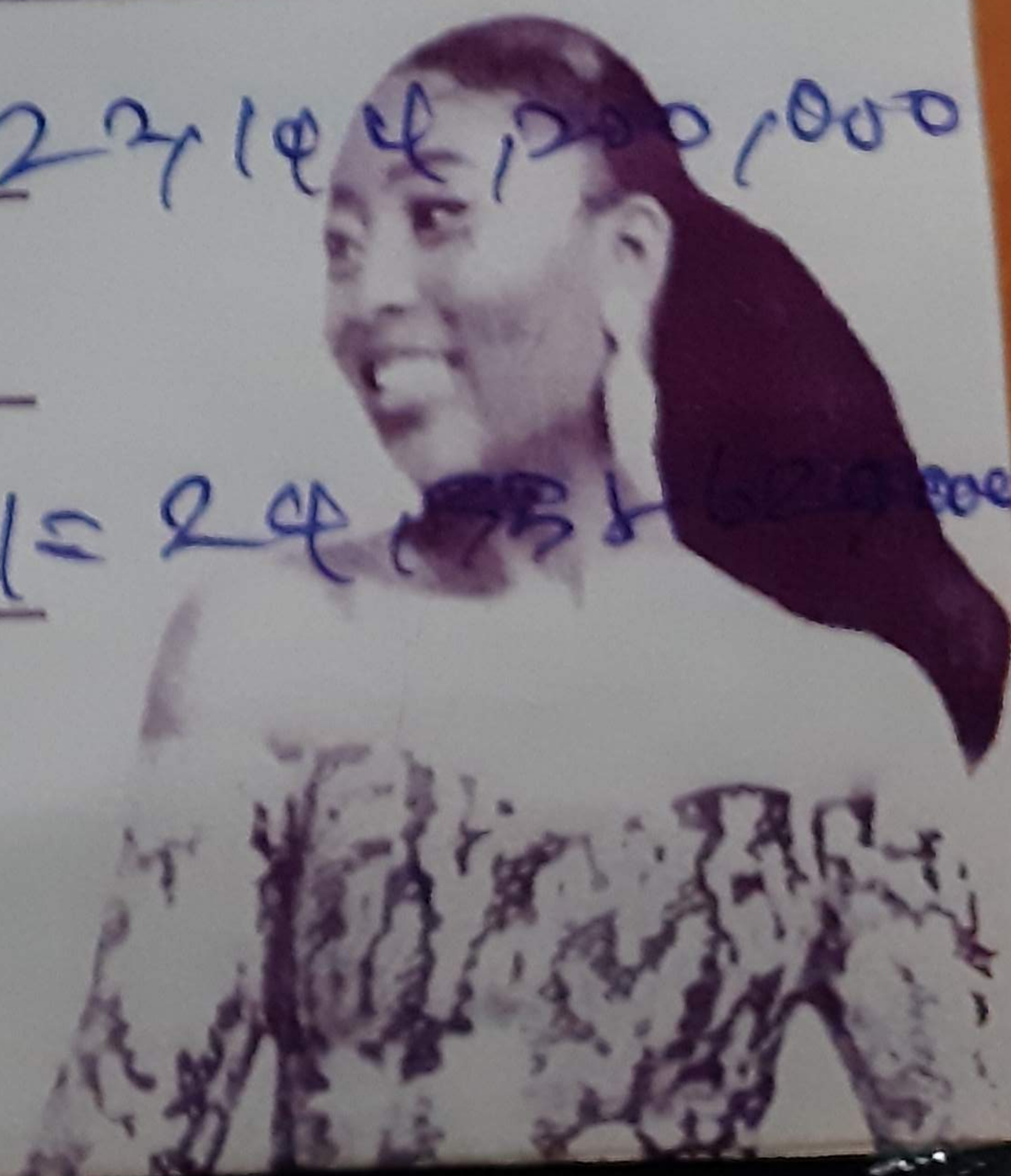
for Thursday

$$Q = mc\Delta T = 2171000 \times 1020 \times 11 = 24,881,000,000$$

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Hamzet-Edusoga Kehinde  
Enator/O22

for Friday

$$Q = mc\Delta T$$

$$= 2121000 \times 1020 \times 12 = \underline{2615730400}$$

Therefore the average thermal Energy of  
Abuad is

$$= 22144200,000 + 24,50620,000$$

$$22144,220000 + 24,506,200,000$$

$$= \underline{11952880000} \quad \underline{22913736000}$$