



Profit, Loss, Discount, Value Added Tax (VAT) Ex 13.3 Q20

Answer :

Let the reduced price of the cooler, excluding VAT, be Rs. x .

$$\begin{aligned}\text{VAT} &= 10\% \text{ of Rs } x = \frac{10}{100} \times x \\ &= \text{Rs. } \frac{x}{10}\end{aligned}$$

$$\text{Therefore, SP of the cooler will be} = \text{Rs. } \left(x + \frac{x}{10}\right) = \text{Rs. } \frac{11x}{10}$$

But the SP is already given as Rs. 2563.

So,

$$2563 = \frac{11x}{10}$$

$$11x = 25630$$

$$x = \frac{25630}{11}$$

$$= \text{Rs. } 2330$$

$$\text{Hence, discount allowed in the price of the cooler} = \text{Rs. } (2563 - 2330) = \text{Rs. } 233.$$

Profit, Loss, Discount, Value Added Tax (VAT) Ex 13.3 Q21

Answer :

$$\text{List price of the washing machine} = \text{Rs. } 9000$$

$$\text{Discount allowed} = 5\%$$

$$\text{Discount} = 5\% \text{ of Rs. } 9000$$

$$= \frac{5}{100} \times 9000 = \text{Rs. } 450$$

$$\text{So, the cost of the washing machine} = \text{List price} - \text{Discount}$$

$$= \text{Rs. } (9000 - 450)$$

$$= \text{Rs. } 8550$$

$$\text{VAT} = 10\% \text{ of Rs. } 8550$$

$$= \frac{10}{100} \times 8550$$

$$= \text{Rs. } 855$$

$$\text{Thus, the customer has to pay} = \text{Rs. } (8550 + 855) = \text{Rs. } 9405$$

***** END *****