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Date Interpretation Table Chart Questions for IBPS CLERK MAINS, SBI CLERK MAINS, IBPS PO Pre and SBI PO Pre Exams.

DI Table Chart Quiz 52

Directions: Study the following information carefully and answer the questions given beside:

Given table shows the profit/loss, discount and marked up per cent on 6 different electronic articles.

Articles	Profit % / Loss %	Discount %	Marked up %
A.C.	Profit 8%	----	28%
Cooler	Loss 8%	----	16%
Fridge	----	----	15%
Oven	----	25%	----
Geyser	Profit 10%	8%	----
Television	----	10%	12%

1. An owner of the electronics shop sold the cooler to a customer at a loss given in the table. Had he sold it for Rs.475 more, he would have gained a profit of 11%. What is the marked price of the cooler?

- A. Rs. 2300 B. Rs. 2500 C. Rs. 2700 D. Rs. 2900 E. None of these

2. If shopkeeper marked Oven 10% above CP and Geyser 20% above CP and also the CP of Oven is half of the CP of Geyser then find the amount of discount offered by shopkeeper on oven if gained Rs.1000 on selling Geyser?

- A. Rs. 1375 B. Rs. 1575 C. Rs. 1480 D. Rs. 1200 E. None of these

3. The difference between the selling prices of an A.C and a Television is Rs.15400 when Television is sold at a profit of 12%. Cost price of A.C is Rs.15000 more than that of Television. What is the Cost price of A.C.?

- A. Rs. 34000 B. Rs. 25000 C. Rs. 35000 D. Rs. 20000 E. None of these

4. Find the overall profit or loss per cent approximately made by a customer who bought 1 AC set and 1 cooler set. Cost price of 1 AC set is Rs. 30000 and cost price of 1 cooler set is Rs. 5000.

- A. 5.71% B. 2.77% C. 2.41% D. 3.24% E. None of these

5. Find the total amount paid by a customer after purchasing 1 oven and 1 fridge if the shopkeeper marked the oven up by 15% and he gains 8% on the fridge. Cost price of oven is Rs.15000 and marked price of fridge is Rs.11500.

- A. Rs. 13737.5 B. Rs. 23737.5 C. Rs. 22500 D. Rs. 28737.5 E. None of these

Correct Answers:

1	2	3	4	5
D	A	C	A	B

Explanations:

1. Let the CP of the cooler = $100x$

First SP = 92% of $100x = 92x$

Second SP = 111% of $100x = 111x = 92x + 475$

$\Rightarrow 19x = 475$

$\Rightarrow x = 25$

MP of cooler = 116% of $100x = 116x = 116 \times 25 = \text{Rs. } 2900$

Hence, option (D) is correct.

2. Let CP of Geyser = $100x$

SP of Geyser = 110% of $100x = 110x$

Profit = $110x - 100x = 10x = 1000$ (Given)

$\Rightarrow x = 100$

CP of oven = $\frac{100x}{2} = 50x = 50 \times 100 = \text{Rs. } 5000$

MP of oven = 110% of $5000 = \text{Rs. } 5500$

Discount on oven = 25% of $5500 = \text{Rs. } 1375$

Hence, option (A) is correct.

3. Let CP of AC and Television is ' $100x$ ' and ' $100y$ ' respectively.

SP of AC = 108% of $100x = \text{Rs. } 108x$

SP of Television = 112% of $100y = \text{Rs. } 112y$

From the question-

$\Rightarrow 100x - 100y = 15000$ (1)

$\Rightarrow 108x - 112y = 15400$ (2)

From (1) and (2)-

$\Rightarrow x = 350$ and $y = 200$

Cost price of A.C. = $100x = 100 \times 350 = \text{Rs. } 35000$

Hence, option (C) is correct.

4. Total CP = $30000 + 5000 = \text{Rs. } 35000$

SP of AC = 108% of $30000 = \text{Rs. } 32400$

SP of cooler = 92% of $5000 = \text{Rs. } 4600$

Total SP = $32400 + 4600 = \text{Rs. } 37000$

Total profit per cent = $\frac{37000 - 35000}{35000} \times 100 = 5.71$ (Approx)

Hence, option (A) is correct.

5.

$$\text{CP of Fridge} = 11500 \times \frac{100}{115} = \text{Rs. } 10000$$

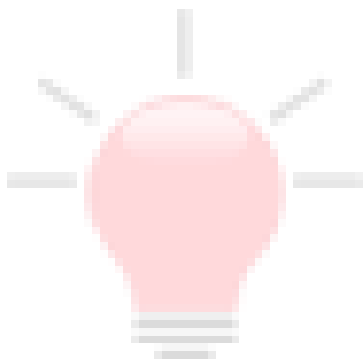
$$\text{SP of Fridge} = 108\% \text{ of } 10000 = \text{Rs. } 10800$$

$$\text{MP of oven} = 115\% \text{ of } 15000 = \text{Rs. } 17250$$

$$\text{SP of oven} = 75\% \text{ of } 17250 = \text{Rs. } 12937.5$$

$$\text{Total amount paid by customer} = \text{SP of Fridge} + \text{SP of oven} = 10800 + 12937.5 = \text{Rs. } 23737.5$$

Hence, option (B) is correct.



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