Profit and Loss Questions for Bank Clerk Pre Exams.

Profit and Loss Quiz 11

Directions: Kindly study the following Questions carefully and choose the right answer:

1. The cost price of a TV and a Dvd together is Rs 880. If the TV costs 20% more than the DVD, then find the cost price of the TV and Dvd respectively.

A. Rs 460 and Rs 420 B. Rs 440 and Rs 400 C. Rs 520 and Rs 360 D. Rs 480 and Rs 400
E. None of these

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2. A profit of 13% is made by selling a shirt after offering a discount of 20%. If the marked price of the shirt is Rs. 2260, find its cost price.

A. Rs 1850 B. Rs 1780 C. RS 1600 D. Rs 1900 E. None of these

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3. After getting two successive discounts Apurva got a jeans at Rs. 714 whose marked price is Rs. 1000. If the second discount is 15% find the first discount.

A. 12.5% B. 15% C. 16% D. 20% E. None of these

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4. A fruit-seller buys some oranges and by selling 40% of them he realizes the cost price of all the oranges. As the oranges being to grow over-ripe, he reduces the price and sells 60% of the remaining oranges at one third of the previous rate of profit. The rest of the oranges being rotten are thrown away. The overall percentage of profit is

A. 54% B. 68% C. 49% D. 75% E. None of these

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5. Rama Kant dealing in bed sheets allows 4% discount on the marked price. What price must be marked on a bed sheet that cost Rs. 480 so as to make a profit of 10%?

A. Rs 520 B. Rs 650 C. Rs 620 D. Rs 550 E. None of these

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6. Meeta buy a car for Rs. 1.2 lakh and resell it to Meenakshi at a profit of 15%. Meenakshi again sold this car to Meeta at a loss of 10%. How much more money Meeta has to pay to buy it from Meenakshi?

A. Rs 3600 B. Rs 4200 C. Rs 4000 D. Rs 4500 E. Rs 5000

7. A shopkeeper marks the marked price 25% more than the cost price that is Rs. 1500. After giving two successive discounts of 12% and x% he losses Rs. 15. Find the value of x.

A. 12% B. 9% C. 10% D. 15% E. 6%

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8. Sanjana brought two Activas at two different prices and for a total cost for Rs. 80000. By selling one for 3/4 of its cost price and another for 4/3 of its cost price, she earns a profit of Rs. 8000 on the whole transaction. Find the cost price of the Activa which was brought on higher price?

A. Rs 45000 B. Rs 50000 C. Rs 48000 D. Rs 40000 E. None of these

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9. Himansh purchased a Mobile phone and a laptop for Rs. 32000. He sold the Mobile phone at a loss of 10% and the Laptop at a profit of 10%. If his total profit was 1200, find the cost price of the laptop.

A. Rs 10000 B. Rs 22000 C. Rs 28000 D. Rs 16000 E. None of these

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10. Anil makes a profit of 18% on cost price by selling a washing machine for Rs. 5900. If the cost price of the machine is increased by 5% and he wants to earn the same profit, What will be the new profit percent on selling price?

A. 14.63% B. 12.25% C. 15.96% D. 17.14% E. None of these

Correct Answers:

1	2	3	4	5	6	7	8	9	10
D	C	C	A	D	B	C	C	B	A

Explanations:

1. Let the price of Dvd be 100. then
TV will be 120% of 100 = 120
Therefore, according to question,
100 + 120 = 220 ≡ 880/-
∴ 1 ≡ 4/-
∴ 100 ≡ Rs 400 Rs 120 ≡ Rs 480.
Hence, option D is correct.

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2. According to the question, we get the equation

$$\frac{100}{(100 + G\%)} \times \frac{(100 - \text{Discount}\%)}{100} \times \text{Marked Price}$$

$$= \frac{100}{113} \times \frac{80}{100} \times 2260 = \text{Rs. } 1600/-$$

Hence, option C is correct.

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3. Let the first discount be x%.

Then, 85% of (100 – x) % of 1000 = 714

$$\text{or, } \frac{85}{100} \times \frac{(100 - x)}{100} \times 1000 = 714$$

or, 8500 – 85x = 714 × 10 = 7140

or, 85x = 1360

∴ x = 16%

Hence, option C is correct.

4. **1st Scenario:**

Let he bought 100 oranges for 100 rupees

∴ CP = 100/- (Rs 1/- for each orange)

Now, SP of 40 oranges = 100/- (equal to the total cost)

∴ Profit % he earned =

$$\frac{100 - 40}{40} \times 100\% = 150\%$$

2nd Scenario:

New, 60% of the remaining oranges =

$$\frac{60}{100} \times 60 = 36 \text{ oranges}$$

SP of 36 oranges with one third profit he earned earlier =

$$\frac{(100 + \text{Gain}\%)}{100} \times \text{CP} = \frac{150}{100} \times 36 = 54/-$$

(Gain% = As per the question the gain percent in 2nd Scenario is one third of the previous profit %**)**

Total CP = 100/-
Total SP = 100 + 54 = 154/-

∴ Profit % = $\frac{154 - 100}{100} \times 100\% = 54\%$

Hence, option A is correct.

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5. Cost price = Rs. 480 Rs.
Profit = 480 × 10% = 48
S. P. = 480 + 48 = 528 Rs.
Discount % = 4%
Discount is always given on the marked price, So
x × 96% = 528
x = 550 Rs.
Hence, option D is correct.

6. Meenakshi buy a car for 120000 × 115% = Rs. 138000
Meeta again buy that car for 138000 × 90% = Rs. 124200
Meeta has to pay 124200 – 120000 = Rs. 4200 more to buy the car again.
Hence, option B is correct.

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7. Let the cost price = Rs. 1500
Marked price = 1500 × 125% = 1875
After giving two successive discounts of 12% and x% loss= Rs 15
1875 × (100 – 12) % × (100 – x) % – 1500 = – 15
1875 × .88 × (100 – x) % – 1500 = – 15
1650 × (100 – x) % – 1500 = – 15

$$\frac{[1650 \times (100 - x) - 150000]}{100} = -15$$

165000 – 1650x – 150000 = – 1500
15000 + 1500 = 1650x
16500 = 1650x
x =10%

Hence, option C is correct.

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8. Let the cost price of one Activa = Rs x
Cost price of another Activa = Rs. (80000 – x)
According to the question,

$$x \times \frac{4}{3} + (80000 - x) \times \frac{3}{4} = 88000$$

$$\frac{4x}{3} + 60000 - \frac{3x}{4} = 88000$$

$$\frac{(16x - 9x)}{12} = 88000 - 60000$$

$$\frac{7x}{12} = \text{Rs } 28000$$

$$x = 28000 \times \frac{12}{7}$$

x = Rs 48000
Cost price of Activa brought on higher price = Rs 48000
Hence, option C is correct.

9. Let the cost price of Mobile phone = x Rs., Cost price of Laptop = 32000 – x Rs.

(32000 – x)× 10% – x × 10% = 1200

3200 – x × 10% – x × 10% = 1200

3200 – 1200 = x × 20%

$2000 = \frac{x}{5}$

x = Rs. 10000

Cost price of Laptop = 32000 – 10000

= Rs. 22000

Hence, option B is correct.

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10. Cost price of the washing machine

$\frac{5900}{118} \times 100$ = Rs. 5000

Profit = 5900 – 5000 = Rs. 900

New cost price = 5000 × 105% = Rs. 5250

New selling price = 5250 + 900 = Rs. 6150

Profit % $= \frac{900}{6150} \times 100 = 14.63\%$

Hence, option A is correct.