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Date Interpretation Table Chart Questions for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

DI Table Chart Quiz 78

Directions: Study the following table chart carefully and answer the questions given beside:

This following table is related to profit and loss and some values are missing. All the discounts are on the M.P. and the profit are on C.P.

Article	Cost Price (Rs.)	Profit (%)	Marked Price (Rs.)	Discount (%)	Selling Price (Rs.)
Jeans	2280	---	2720	---	---
Shirt	---	30%	---	---	---
T-shirt	---	---	2875	14%	---
Suit	2200	---	---	---	2640
Saree	---	20%	3800	---	---

1. If the discount % and profit % of the Suit is same. Find out the M.P. of Suit?

- A. Rs. 2200 B. Rs. 2500 C. Rs. 2800 D. Rs. 3300 E. None of these

2. If the M.P. of jeans is Rs. 140 more than the C.P. of Shirt and the difference between M.P. and S.P. of Shirt is Rs. 780. Find the discount % of Shirt?

- A. 20.46% B. 19.76% C. 18.86% D. 17.56% E. None of these

3. C.P. of Suit is how much percentage less than the M.P. of Jeans?

- A. 21.2% B. 19.1% C. 18.6% D. 18.4% E. None of these

4. The ratio of discount % and profit % of the T-shirt is 7 : 5. Find CP. of T-shirt? (approximately)

- A. Rs. 2285 B. Rs. 2398 C. Rs. 2552 D. Rs. 2248 E. None of these

5. If the ratio of the C.P. of the Jeans and Saree is 4:5, find out the discount % of Saree?

- A. 10% B. 12% C. 15% D. 20% E. None of these

Correct Answers:

1	2	3	4	5
D	C	B	D	A

Explanations:

1.

Article	Cost Price (Rs.)	Profit (%)	Marked Price (Rs.)	Discount (%)	Selling Price (Rs.)
Jeans	2280	---	2720	---	---
Shirt	---	30%	---	---	---
T-shirt	---	---	2875	14%	---
Suit	2200	20%	3300	20%	2640
Saree	---	20%	3800	---	---

Let the Profit % and the Discount % of the Suit = x

$$\text{Selling Price of Suit} = \text{Cost Price} \times \frac{100 + x}{100}$$

$$2640 \times 100 = 2200 \times (100 + x)$$

$$264000 = 220000 + 2200x$$

$$2200x = 264000 - 220000$$

$$2200x = 44000$$

$$x = 20\%$$

$$\text{M. P. of suit} = \frac{2640}{80} \times 100$$

$$\text{M.P. of Suit} = \text{Rs. } 3300$$

Hence, option D is correct.

2.

Article	Cost Price (Rs.)	Profit (%)	Marked Price (Rs.)	Discount (%)	Selling Price (Rs.)
Jeans	2280	---	2720	---	---
Shirt	2580	30%	4134	18%	3354
T-shirt	---	---	2875	14%	---
Suit	2200	---	---	---	2640
Saree	---	20%	3800	---	---

$$\text{M.P. of Jeans} = \text{Rs. } 2720$$

$$\text{C.P. of Shirt} = \text{Rs. } (2720 - 140) = \text{Rs. } 2580$$

$$\text{S.P. of Shirt} = 2580 \times \frac{130}{100} = \text{Rs. } 3354$$

$$\text{M.P. of Shirt} = \text{Rs. } (3354 + 780) = \text{Rs. } 4134$$

$$\text{Discount \%} = \frac{4134 - 3554}{4134} \times 100$$

$$\text{Discount \%} = \frac{780}{4134} \times 100$$

$$\text{Discount \%} = 18.86\%$$

Hence, option C is correct.

3.

Article	Cost Price (Rs.)	Profit (%)	Marked Price (Rs.)	Discount (%)	Selling Price (Rs.)
Jeans	2280	---	2720	---	---
Shirt	---	30%	---	---	---
T-shirt	---	---	2875	14%	---
Suit	2200	---	---	---	2640
Saree	---	20%	3800	---	---

C.P of Suit = Rs. 2200

M.P. of Jeans = Rs. 2720

$$\text{Less \%} = \frac{2720 - 2200}{2720} \times 100$$

$$\text{Less percentage} = \frac{520}{2720} \times 100$$

Less percentage = 19.1%

Hence, option B is correct.

4.

Article	Cost Price (Rs.)	Profit (%)	Marked Price (Rs.)	Discount (%)	Selling Price (Rs.)
Jeans	2280	---	2720	---	---
Shirt	---	30%	---	---	---
T-shirt	---	---	2875	14%	---
Suit	2200	---	---	---	2640
Saree	---	20%	3800	---	---

The ratio of discount % and profit % is 7:5.

Discount % = 14%

$$\text{Profit \%} = \frac{14 \times 5}{7} = 10\%$$

$$\text{C.P.} = \text{M.P.} \times \frac{100 - \text{Discount \%}}{100 + \text{Profit \%}}$$

$$\text{C.P.} = 2875 \times \frac{100 - 14}{100 + 10}$$

$$\text{C.P.} = \frac{2875 \times 86}{110}$$

C.P. = Rs. 2247.72 = 2248 (approximately)

Hence, option D is correct.

5.

Article	Cost Price (Rs.)	Profit (%)	Marked Price (Rs.)	Discount (%)	Selling Price (Rs.)
Jeans	2280	---	2720	---	---
Shirt	---	30%	---	---	---
T-shirt	---	---	2875	14%	---
Suit	2200	---	---	---	2640
Saree	2850	20%	3800	10%	3420

The ratio of the C.P. of the Jeans and Saree is 4 : 5.

C.P of Jeans = Rs. 2280

C.P. of Saree = Rs. $2280 \times \frac{5}{4}$ = Rs. 2850

S.P. of Saree = $2850 \times 130\%$ = $2850 \times \frac{130}{100}$ = Rs. 3420

M.P. of Saree = Rs. 3800

$$\begin{aligned} \text{Discount \%} &= \frac{\text{M.P.} - \text{S.P.}}{\text{M.P.}} \times 100 \\ &= \frac{3800 - 3420}{3800} \times 100 = 10\% \end{aligned}$$

Hence, option A is correct.



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