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DI table Chart Questions for SBI Clerk Mains, IBPS Clerk Mains, SBI PO Pre and IBPS PO Pre Exams.

DI Table Chart No. 116

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

The table shows the Ratio of the Marked price and cost price of the items and the discount % and the profit earned by Mohit. Some data is missing.

Items	Marked price : Cost price	Discount %	Profit (Rs)
Gulab Jamun	25 : 18	-	63
Rasgulla	-	8%	48
Ras Malai	-	20%	-
Kajju Katli	6 : 5	-	-
Laddu	25 : 18	-	45

1. Cost price of Ras Malai is as same as the cost price of Rasgulla. The marked price of Rasgulla is 25% more than the cost price. Find the profit earned by Mohit after selling the Ras Malai if the marked price of Ras Malai is 56.25% more than the cost price of Ras Malai.

A. Rs. 60 B. Rs. 80 C. Rs. 100 D. Rs. 120 E. None of these

2. If the difference between the cost price and the marked price of Kajju Katli is Rs 100 and profit earned by Mohit is Rs 70. Find the ratio of the discount % and profit %.

A. 5 : 14 B. 6 : 11 C. 4 : 9 D. 3 : 10 E. None of these

3. The discount given by Mohit is Rs 40 less than the profit earned by Mohit on Kajju Katli. If the Marked price of Kajju Katli is Rs 600, find the discount %.

A. 5% B. 15% C. 8% D. 12% E. 10%

4. If the Discount given by Mohit on Gulab Jamun is Rs 35, find the difference between the discount % and profit% given by Mohit on Gulab Jamun.

A. 20% B. 12% C. 15% D. 22% E. None of these

5. With the help of information given in previous questions, find the average profit earned by Mohit on selling all the sweets.

A. Rs. 50.5 B. Rs. 75 C. Rs. 58.3 D. Rs. 63 E. None of these

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Correct Answers:

1	2	3	4	5
B	A	A	C	E

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Explanations :

1. Let the cost price of Rasgulla = Rs x, Marked price = Rs 1.25x

1.25x × 92% = x + 48

1.15x – x = 48

0.15x = 48

x = 320

Cost price of Ras Malai = Rs 320

Marked price of Ras Malai = 320 × 156.25 = Rs 500

Selling price = 500 × 80% = Rs 400

Profit = 400 – 320 = Rs 80

Hence, option B is correct.

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2. Let the cost price of Kaju Katli = 5x, Marked price of Kaju Katli = 6x

M.P. – C.P. = 100

6x – 5x = 100

x = 100

Cost price = Rs 500, Marked price = Rs 600

Profit = Rs 70

Profit % = $\frac{70}{500}$ × 100 = 14%

Discount = 600 – (500 + 70) = 600 – 570 = Rs 30

Discount % = $\frac{30}{600}$ × 100 = 5%

Ratio = 5% : 14% = 5 : 14

Hence, option A is correct.

3. Marked price of Kajju Katli = Rs 600, cost price of Kajju Katli = Rs 500

Let profit = Rs x, Discount = Rs (x – 40)

500 + x = 600 – (x – 40)

500 + x = 600 – x + 40

x + x = 640 – 500

2x = 140

x = 70

Discount = 70 – 40 = Rs 30

Discount % = $\frac{30}{600} \times 100 = 5\%$

Hence, option A is correct.

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4. Let the cost price = Rs 18x, Marked price = 25x

25x – 35 = 18x + 63

25x – 18x = 63 + 35

7x = 98

x = 14

cost price = Rs 252, Marked price = Rs 350

Profit % = $\frac{63}{252} \times 100 = 25\%$

Discount % = $\frac{35}{350} \times 100 = 10\%$

Difference = 25% – 10% = 15%

Hence, option C is correct.

5. Profit on Gulab Jamun = Rs 63

Profit on Rasgulla = Rs 48

Profit on Ras Malai = Rs 80

Profit on kajju Katli = Rs 70

Profit on Laddu = Rs 45

Average profit = $\frac{(63 + 48 + 80 + 70 + 45)}{5}$

= $\frac{306}{5}$ = Rs. 61.2

Hence, option E is correct.

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