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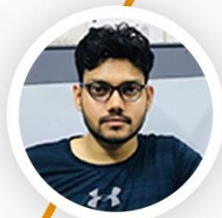
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The Question Bank

# Date Interpretation Table Chart Questions for SBI Clerk Pre, IBPS Clerk Pre, RBI Assistant, LIC Assistant and IBPS RRB Exams.

## DI Table Chart Quiz 97

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

A shopkeeper sold four products i.e. A, B, C and D. The cost price of product B is Rs. 4000 which is marked up by 25%. The marked price of product A is Rs. 250 less than the marked price of product B. The average of cost prices of the 4 products is Rs. 3137.5. He earns a profit of Rs. 1020 on selling product D. The marked price of product D is Rs. 950 more than the marked price of product C.

| Product | Discount offered by shopkeeper |
|---------|-------------------------------|
| A | 20% |
| B | 12% |
| C | 30% |

| Product | Profit Percentage |
|---------|-------------------|
| A | 25% |
| C | 10% |
| D | 100/3% |

**1.    Find the discount percentage offered by the shopkeeper on product D.**

A. 12%              B. 15%              C. 18%              D. 20%              E. None of these

**2.    Find the total profit earned by the shopkeeper on selling all the four products.**

A. Rs. 2520         B. Rs. 2320         C. Rs. 2425         D. Rs. 2475         E. None of these

**3.    Had he sold the product C at the loss of 10%, then at what price he would have sold the product C.**

A. Rs. 2205         B. Rs. 1960         C. Rs. 2375         D. Rs. 2280         E. None of these

**4.    The selling price of product E is 100/11% more than the selling price of product B. If it is sold after offering two successive discounts of 20% and 25%, then find the marked price of product E.**

A. Rs. 8400         B. Rs. 7500         C. Rs. 7200         D. Rs. 8000         E. None of these

5. **Find the difference between the selling prices of product C and selling price of product D.**

A. Rs. 1410       B. Rs. 1425       C. Rs. 1295       D. Rs. 1345       E. None of these

**Correct Answers:**

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| B | C | A | D | E |

**Common Explanations:**

For product B :

Cost price = Rs. 4000

Marked price = 1.25 × 4000 = Rs. 5000

Percentage discount offered = 12%

Selling price = 0.88 × 5000 = Rs. 4400

Profit % earned = $\frac{4400 - 4000}{4000}$ × 100 = 10%

For product A :

Marked price = 5000 − 250 = Rs. 4750

Percentage discount offered = 20%

Selling price = 0.8 × 4750 = Rs. 3800

Profit percentage earned = 25%

Cost Price = $\frac{3800}{1.25}$ = Rs. 3040

Total cost price of four products = 3137.5 × 4 = Rs. 12550

For product D:

Amount of profit earned = Rs. 1020

Profit percentage earned = $\frac{100}{3}$ %

So, $\frac{100}{3}$ % = 1020

So, 100% = 1020 × 3 = 3060

So, cost price of product D = Rs. 3060

Selling price = 3060 + 1020 = Rs. 4080

For product C :

Cost price = 12550 – (3060 + 4000 + 3040) = Rs. 2450

Profit percentage = 10%

Selling price = 1.1 × 2450 = Rs. 2695

Discount percentage = 30%

Marked price = $\frac{2695}{0.7}$ = 3850

Marked price of D = 3850 + 950 = 4800

| | A | B | C | D |
|---|---|---|---|---|
| CP | Rs. 3040 | Rs. 4000 | Rs. 2450 | Rs. 3060 |
| SP | Rs. 3800 | Rs. 4400 | Rs. 2695 | Rs. 4080 |
| Profit | 25%/Rs. 760 | Rs.400/10% | 10%/Rs.245 | Rs. 1020 |
| Discount | 20%/Rs. 950 | 12%/Rs. 600 | 30%/Rs.1155 | 15%/Rs.720 |
| Marked Price | Rs. 4750 | Rs. 5000 | Rs. 3850 | Rs. 4800 |

**Answers :**

**1.**    Following the common explanation, we get

Reqd. % = $\dfrac{4800 - 4080}{4800} \times 100 = 15\%$

Hence, option B is correct.

**2.**    Following the common explanation, we get

Required total profit = 760 + 400 + 245 + 1020 = Rs. 2425

Hence, option C is correct.

**3.**    Following the common explanation, we get

Required selling price of product C = 2450 × 0.9 = Rs. 2205

Hence, option A is correct.

**4.**    Following the common explanation, we get

Selling price of product E = $\left(100 + \dfrac{100}{11}\right)$ % of 4400 = 4800

Overall discount percentage offered of product E
= $20 + 25 - \dfrac{20 \times 25}{100} = 40\%$

Marked price of product E = $\dfrac{4800}{0.6} = 8000$

Hence, option D is correct.

**5.** Following the common explanation, we get

Required difference = 4080 − 2695 = 1385

Hence, option E is correct.