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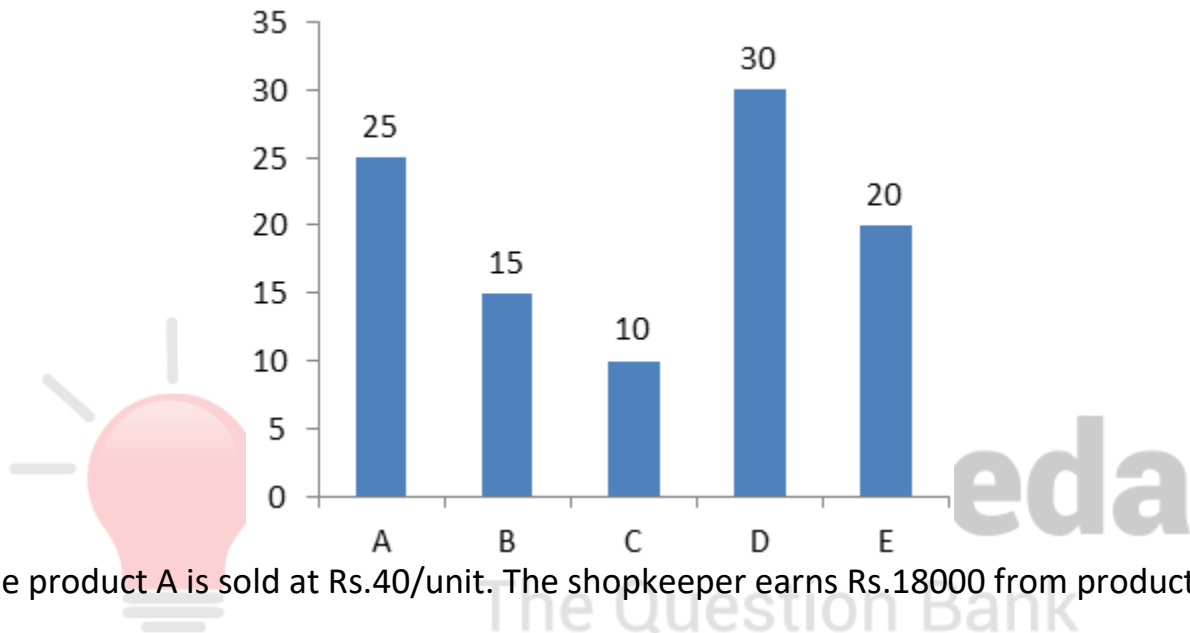
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DI Bar Chart Questions for SBI Clerk Pre, IBPS Clerk Pre, LIC Assistant Pre and IBPS RRB Assistant Pre Exams.

DI Bar Chart No.77

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

The following graph shows the percentage break-up of sales of units of different products in 2018.



The product A is sold at Rs.40/unit. The shopkeeper earns Rs.18000 from product A.

1. How many units of product A were sold ?

- A. 550 B. 450 C. 400 D. 50 E. 600

2. The shopkeeper made Rs. 25 profit on each unit of product B. How much profit did the shopkeeper make?

- A. Rs. 6750 B. Rs. 8500 C. Rs. 4250 D. Rs. 5200 E. Rs. 5400

3. Due to mishandling 35% of the units of product D were damaged. The remaining units of product D were sold at Rs. 30/unit and the damaged ones were sold at Rs. 12/unit and the cost price of each unit of product D was Rs. 25. What was the loss that the shopkeeper incurred?

- A. Rs. 702 B. Rs. 720 C. Rs. 802 D. Rs. 820 E. None of these

4. What is the ratio of the sales of product A to product E?

- A. 5 : 6 B. 6 : 5 C. 8 : 7 D. 5 : 4 E. None of these

5. The shopkeeper bought the units of product C at a total of Rs. 8100. What should be the selling price per unit of the product so that he can make a profit of 20%?

A. Rs. 48

B. Rs. 54

C. Rs. 60

D. Rs. 36

E. Rs. 50

Correct Answers:

1	2	3	4	5
B	A	A	D	B



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Explanations :

1.

$$\text{The reqd. answer is} = \frac{18000}{40} = 450$$

Hence, option B is correct.

2.

$$\text{No. of units of product A sold} = \frac{18000}{40} = 450$$

$$\text{So total products sold} = \frac{450 \times 100}{25} = 1800$$

$$\text{No. of units of products B sold} = \frac{1800 \times 15}{100} = 270$$

$$\text{The profit made} = (270 \times 25) = \text{Rs. } 6750$$

Hence, option A is correct.

3.

$$\text{Number of units of product D} = \frac{30}{25} \times 450 = 540$$

$$\text{Total Cost price} = \text{Rs. } 25 \times 540 = \text{Rs. } 13500$$

35% units of product D were damaged and sold at Rs.12/unit ,

$$\text{So total SP of damaged products} = 35\% \text{ of } 540 \times 12 = \text{Rs. } 2268$$

$$\text{Total SP of remaining products of D} = 65\% \text{ of } 540 \times 30 = \text{Rs. } 10530$$

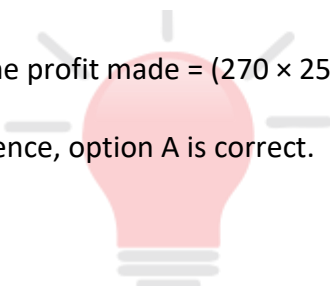
$$\text{Total loss} = \text{Rs. } (13500 - 2268 - 10530) = \text{Rs. } 702$$

Hence option A is correct.

4.

$$\text{The required ratio is} = 25 : 20 = 5 : 4$$

Hence, Option D is correct.



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5.

$$\text{Number of units of product C} = \frac{10}{25} \times 450 = 180$$

The cost price of product C per unit

$$= \frac{8100}{180} = \text{Rs.45}$$

The selling price to gain a 20% profit

$$= \frac{120}{100} \times 45 = \text{Rs.54/unit}$$

Hence, Option B is correct.



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