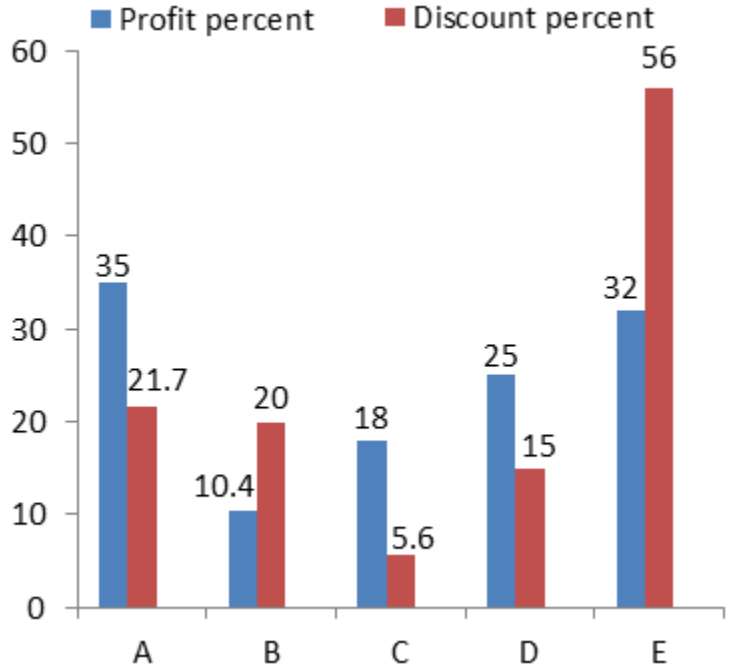
Date Interpretation Bar Graph Questions for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

DI Bar Chart Quiz 40

Directions: Study the graph carefully and answer the following questions.

A shopkeeper sells five different types of articles. The chart represents the profit percent earned and the discount given in five different articles.



1. If the cost price of article B and the article C are Rs. 2500 and Rs. 2400, respectively. Find the difference between the marked price of the article B and the marked price of the article C.

A. Rs. 450 B. Rs. 430 C. Rs. 500 D. Rs. 650 E. Rs. 460

2. If the marked price of the article E is Rs. 4800 then find the cost price of the article E.

A. Rs. 1500 B. Rs. 1850 C. Rs. 1800 D. Rs. 1600 E. Rs. 1750

3. If the selling price of the article A and the article D are Rs. 3132 and Rs. 1700, respectively then the marked price of the article D is what percent of the marked price of the article A?

A. 75% B. 50% C. 80% D. 60% E. 40%

4. The discount given in the article A has been reduced by 6.7% and also the marked price of the article has been reduced by Rs. 400. If initially, the cost price of article A is Rs. 2320, then find the difference between the discount given earlier and the discount given after reducing the marked price.

A. Rs. 328 B. Rs. 356 C. Rs. 384 D. Rs. 320 E. Rs. 365

5. What will be the ratio of the cost price of the article E and the cost price of the article C if the selling price of the article C and the selling price of the article E is Rs. 2124 and Rs. 1848, respectively?

A. 9 : 8 B. 6 : 7 C. 7 : 9 D. 7 : 5 E. 9 : 7

Correct Answers:

1	2	3	4	5
A	D	B	A	C

Explanations:

1. Selling price of article B = 110.4% of 2500 = Rs. 2760

Selling price of article C = 118% of 2400 = Rs. 2832

Marked price of article B = $\frac{2760}{80} \times 100$ = Rs. 3450

Marked price of article C = $\frac{2832}{94.4} \times 100$ = Rs. 3000

Required difference = Rs. (3450 – 3000) = Rs. 450

Hence, option A is correct.

2. Selling price of the article E = 44% of 4800 = Rs. 2112

Cost price of the article E = $\frac{2112}{132} \times 100$ = Rs. 1600

Hence, option D is correct.

3.

Marked price of article A = $\frac{3132}{78.3} \times 100$ = Rs. 4000

Marked price of article D = $\frac{1700}{85} \times 100$ = Rs. 2000

Reqd. % = $\frac{2000}{4000} \times 100 = 50\%$

Hence, option B is correct.

4. Initially, the selling price of the article A = 135% of 2320 = Rs. 3132

Initially, the marked price of the article A

= $\frac{3132}{78.3} \times 100$ = Rs. 4000

Therefore, discount given initially = 4000 – 3132 = Rs. 868

New marked price of the article A = 4000 – 400 = Rs. 3600

New discount % = 21.7 – 6.7 = 15%

New discount = 15% of 3600 = Rs. 540

Required difference = Rs. (868 – 540) = Rs. 328

Hence, option A is correct.

5.

Cost price of the article C = $\frac{2124}{118} \times 100$ = Rs. 1800

Cost price of the article E = $\frac{1848}{132} \times 100$ = Rs. 1400

Required ratio = 1400 : 1800 = 7 : 9

Hence, option C is correct.