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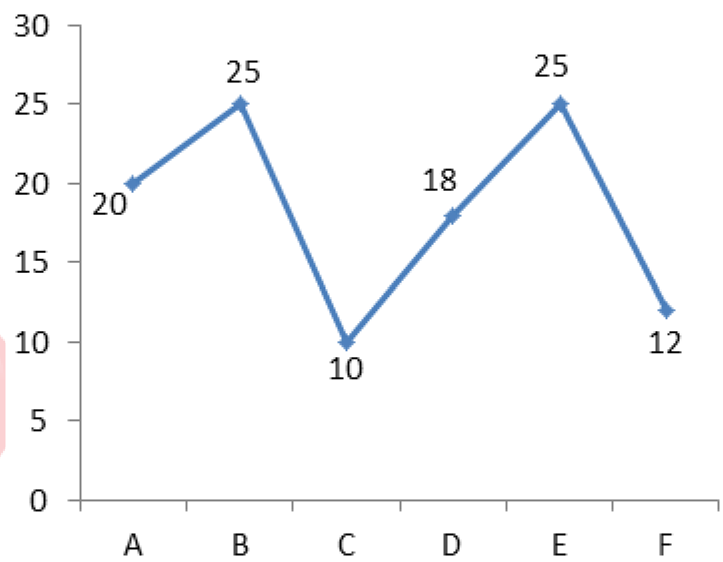
DI Line Chart Questions for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains, IBPS Clerk Mains and IBPS RRB Scale I Pre Exams.

DI Line Chart No 43

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

The graph below shows percentage profit earned by a shopkeeper on different articles.



1. If the profit earned by the shopkeeper in article D is equal to Rs 144 then the find the marked price of article D, if 20% discount was allowed?

A. Rs. 4000 B. Rs. 1180 C. Rs. 2000 D. Rs. 1200 E. Rs. 1800

2. The cost price of article F is twice the cost price of article C and the profit earned on article F is equal to Rs.156. Find the profit earned in article C.

A. Rs. 80 B. Rs. 74 C. Rs. 28 D. Rs. 52 E. Rs. 65

3. If the marked price of article A is Rs.640 while the discount allowed in article A is 10% then find the cost price of article A?

A. Rs. 400 B. Rs. 480 C. Rs. 200 D. Rs. 420 E. Rs. 180

4. In article E, an additional 20% of cost price was paid by the seller for transportation which is equal to Rs.120, then find the selling price of article E.

A. Rs. 950 B. Rs. 920 C. Rs. 200 D. Rs. 900 E. Rs. 800

5. 12% discount was allowed on article B which is equal to Rs.240, then find the profit percentage, if no discount is allowed in article B.

A. 40.04% B. 42.04% C. 20.67% D. 28.56% E. 18.04%

Correct Answers:

1	2	3	4	5
B	E	B	D	B

Explanations :

1.

Cost price of article D = $\frac{144 \times 100}{18}$ = Rs. 800

Selling Price = 800 + 144 = 944

Marked price of article D = $\frac{944 \times 100}{80}$ = Rs. 1180

Hence, Option B is correct.

2.

Cost price of article F = $\frac{156 \times 100}{12}$ = Rs. 1300

Cost price of article C= Rs 650

$\therefore$ Profit earned on article C = $\frac{650 \times 10}{100}$ = Rs. 65

Hence, Option E is correct.

3.

Selling price of article, A = $\frac{640 \times 90}{100}$ = Rs. 576

Cost price of article A = $\frac{576 \times 100}{120}$ = Rs. 480

Hence, Option B is correct.

4.

Cost price of article E = $\frac{120 \times 100}{20}$ = Rs. 600

Total cost price of article E = 600 + 120 = Rs.720

Selling price of article E = $\frac{720 \times 125}{100}$ = Rs. 900

Hence, Option D is correct.

5.

Marked price of article B = $\frac{240 \times 100}{12}$ = Rs. 2000

Selling price of article B = 2000 – 240= Rs. 1760

Cost price of article B = $\frac{1760 \times 100}{125}$ = Rs. 1408

Profit when no discount was allowed= 2000 – 1408 = Rs. 592

Profit % = $\frac{592 \times 100}{1408}$ = 42.04%

Hence, Option B is correct.