

## **PG-DAC FEB 25 APTITUDE QUESTION BANK**

### **Topic: Profit & Loss , Percentage**

If an article is sold at a loss of 25%, and the selling price is ₹450, find the cost price.

- a) ₹500
- b) ₹550
- c) ₹600
- d) ₹650

A person bought an item for ₹1200 and sold it for ₹1440. What is the profit percentage?

- a) 10%
- b) 15%
- c) 20%
- d) 25%

If the selling price of an item is ₹960 and the cost price is ₹800, what is the profit percentage?

- a) 15%
- b) 20%
- c) 25%
- d) 30%

A shopkeeper sells a fan at ₹1200 with a loss of 20%. Find the cost price.

- a) ₹1400
- b) ₹1500
- c) ₹1600
- d) ₹1700

If the cost price of an article is ₹400 and it is sold for ₹480, what is the profit percentage?

- a) 15%
- b) 20%
- c) 25%
- d) 30%

A trader gives two successive discounts of 20% and 10%. Find the net discount percentage.

- a) 28%
- b) 30%
- c) 32%
- d) 36%

A man sold a shirt for ₹800 after giving a 20% discount. Find the marked price.

- a) ₹900
- b) ₹1000
- c) ₹1100
- d) ₹1200

A watch is sold for ₹1800 with a 25% profit. Find the cost price.

- a) ₹1200
- b) ₹1300

- c) ₹1400
- d) ₹1500

A shopkeeper marks an article at ₹1500 and allows a 10% discount. Find the selling price.

- a) ₹1300
- b) ₹1350
- c) ₹1400
- d) ₹1450

A merchant buys 10 pens for ₹150 and sells them for ₹200. What is his profit percentage?

- a) 25%
- b) 30%
- c) 33.33%
- d) 40%

A trader gives a 15% discount on an item and still makes a profit of 20%. What is the markup percentage?

- a) 30%
- b) 35%
- c) 40%
- d) 45%

A table is sold for ₹2250 at a 10% profit. What is the cost price?

- a) ₹1800
- b) ₹1900
- c) ₹2000
- d) ₹2100

If a shopkeeper wants a profit of 25% on an item that costs ₹800, what should be the selling price?

- a) ₹900
- b) ₹1000
- c) ₹1050
- d) ₹1100

A refrigerator is sold for ₹15,000 at a loss of 10%. Find the cost price.

- a) ₹16,500
- b) ₹17,000
- c) ₹16,000
- d) ₹16,800

An article is marked 50% above the cost price and then sold at a discount of 20%. What is the profit percentage?

- a) 20%
- b) 25%
- c) 30%
- d) 35%

A dealer makes a profit of 12% after allowing a 5% discount. Find the marked price of an article whose cost price is ₹400.

- a) ₹500
- b) ₹510
- c) ₹520

d) ₹530

A book is bought for ₹480 and sold for ₹576. What is the profit percentage?

- a) 15%
- b) 18%
- c) 20%
- d) 25%

If a profit of ₹50 is made on an article whose cost price is ₹500, what is the profit percentage?

- a) 8%
- b) 9%
- c) 10%
- d) 12%

A shopkeeper sells a cycle at a 15% profit and the selling price is ₹2300. Find the cost price.

- a) ₹1900
- b) ₹2000
- c) ₹2100
- d) ₹2200

The cost price of an article is ₹750 and it is sold at ₹900. What is the gain percentage?

- a) 15%
- b) 18%
- c) 20%
- d) 25%

A man sells an item at 20% loss. If the selling price is ₹640, find the cost price.

- a) ₹700
- b) ₹750
- c) ₹800
- d) ₹850

A trader sells a mobile phone for ₹9600 at a profit of 20%. Find the cost price.

- a) ₹7500
- b) ₹8000
- c) ₹8200
- d) ₹8500

A shopkeeper sells an item for ₹500 at a 20% profit. What was the cost price?

- a) ₹400
- b) ₹410
- c) ₹420
- d) ₹430

A man buys two articles for ₹1500 each. He sells one at a 20% profit and the other at a 10% loss. Find his net profit/loss.

- a) 5% loss
- b) 5% profit
- c) 10% profit
- d) No profit, no loss

A trader sells an article at ₹1250 with a loss of 12%. Find the cost price.

- a) ₹1300
- b) ₹1400
- c) ₹1450
- d) ₹1500

Find the profit percent earned after selling an article at a doubled rate for half quantity.

- a) 200%
- b) 300%
- c) 400%
- d) 450%

A number is multiplied by 20% of itself, the sum is then doubled. If the final value is 490, find the number.

- a) 35
- b) 40
- c) 45
- d) 50

An article is sold at 20% less than its cost price. If the selling cost is 50 rupees and the selling cost is 5% of the selling price, find the loss. (Selling cost here is the expense occurred to sell the article, it is levied on the seller)

- a) 150 rupees
- b) 200 rupees
- c) 250 rupees
- d) 300 rupees

If the seller sells half of his goods at 20% loss and the rest of his goods at 50% profit, find the profit percentage on the entire transaction.

- a) 12% profit
- b) 15% profit
- c) 20% profit
- d) 25% profit

The expense of selling an article, worth rupees 6000, is 50 rupees. If the selling expenses is 10% more than the loss, find the loss percentage.

- a) 7.5%
- b) 8.33%
- c) 9.09%
- d) 10%

The profit on selling 1 article is equal to the cost price of 2 such articles. Find the profit percentage.

- a) 100%
- b) 150%
- c) 200%
- d) 225%

The initial price of an article is decreased by 20% but the selling price remains constant. If the initial profit was 500 rupees, find the new profit. It is known the initial profit percent was 20% of cost price

- a) 800 rupees
- b) 900 rupees
- c) 1000 rupees
- d) 1250 rupees

The price of a pair of slippers is decreased by 10% and the selling price is constant. If the initial profit percentage was equal to 25%, find the new profit percentage.

- a) 35%
- b) 38.8%
- c) 40%
- d) 42%

The cost price of an article is doubled, and the selling price is made half. If the initial profit percentage was 500%, find the profit percentage now.

- a) 25%
- b) 50%
- c) 100%
- d) 250%

A shopkeeper increases the price of sugar by 25%. By how much a family should decrease their consumption to maintain the regular price?

- a) 25% increase
- b) 25% decrease
- c) 20% increase
- d) 20% decrease

The profit on selling 15 articles is equal to the cost price of 2 articles. Find the profit percentage.

- a) 11.11%
- b) 12.22%
- c) 13.33%
- d) 14.44%

40% of a number a is 50% of a number b, find the value of a : b.

- a) 2 : 3
- b) 1 : 4
- c) 1 : 5
- d) 3 : 5

The marked price of an article is 5 times the discount. Find the selling price in terms of discount.

- a) 2.5 times the discount
- b) 3.5 times the discount
- c) 4 times the discount
- d) 5 times the discount

Solve for x;  $x = 20\% \text{ of } 12\% \text{ of } 6250$ .

- a) 270
- b) 225
- c) 200
- d) 180

A shopkeeper purchased an article for 500 rupees. At what price should he mark the article to allow a discount of 35% and still earn 100% profit.

- a) 1539 rupees
- b) 1593 rupees
- c) 1555 rupees
- d) 1599 rupees

A is 25% more than b. By what percent is b smaller than a?

- a) 13.33%
- b) 20%
- c) 22%
- d) 30%

If the discount is twice the cost price and the marked price is 10000, find the selling price. No profit or loss was made.

- a) 1111.11 rupees
- b) 3333.33 rupees
- c) 5555.55 rupees
- d) 7777.77 rupees

The cost price of an article is 30% less than the selling price. The discount is 40% of the selling price. If the marked price is 12600 rupees, find the cost price.

- a) 6300 rupees
- b) 10000 rupees
- c) 8400 rupees
- d) 5600 rupees

If 33.33% of a number is 20 more than 16.66% of the number, find 120% of the number.

- a) 121
- b) 139
- c) 144
- d) 169

Find the number if, 20% of a number is 20 more than 20% of another number 20.

- a) 100
- b) 110
- c) 120
- d) 125

A number if doubled, then tripled and this process is repeated twice. What is the percentage change?

- a) 3500%
- b) 3000%
- c) 2500%
- d) 1750%

By how much should 234 be reduced to make it 65% of itself?

- a) 80.9
- b) 81.9
- c) 82.9
- d) 83.9

What is 90% of 900% of 9000% of 9?

- a) 7290
- b) 729
- c) 6156
- d) 6561

Out of 25 employees of a company, 13 are set of and the salaries of rest of the employees is increased by 24%. Find the total increase or decrease in company's expenditure.

- a) 40.48% decreased
- b) 40.44% increased
- c) 44.48% decreased
- d) 44.84% increased

Zayn bought tickets to concert for Rs. 3500. He wants to sell them at a discount of 15%. What is the discount in Rs.?

- a) Rs.1525
- b) Rs.350
- c) Rs.525
- d) Rs.1050

## Assignment No:- 02

**Q1]**

→ Let C.P be 100, then S.P will be 75, But real S.P is 450, so:

$$\begin{array}{ccc} 100 & \xrightarrow{\hspace{1cm}} & 75 \\ x & \xrightarrow{\hspace{1cm}} & 450 \end{array}$$

$$x = \frac{450 \times 100}{75}$$

$$x = \underline{600} \quad (\text{Ans} = c)$$

**Q2]**

$$\rightarrow C.P = 1200 \quad S.P = 1440$$

$$P\% = \frac{1440 - 1200}{1200} \times 100$$

$$= \underline{240} = \underline{20\%} \quad (\text{Ans} = c)$$

**Q3]**

$$\rightarrow S.P = 960 \quad C.P = 800$$

$$P\% = \frac{960 - 800}{800} \times 100$$

$$= \underline{160} = \underline{20\%} \quad (\text{Ans} = b)$$

Q4]

$$\rightarrow S.P = 1200 \quad L\% = 20\% \quad C.P = ?$$

$$L\% = \frac{C.P - S.P}{C.P} \times 100$$

$$20 = \frac{x - 1200}{x} \times 100$$

$$x = \frac{x - 1200 \times 100}{20}$$

$$x = 5x - 6000$$

$$4x = 6000$$

$$C.P = \underline{x = 1500 \quad (Ans = b)}$$

Q5]

$$\rightarrow C.P = 400 \quad S.P = 480$$

$$P\% = \frac{80}{400} \times 100 = \underline{20\% \quad (Ans = b)}$$

Q6]

$$\rightarrow S(\uparrow\downarrow)\% = 20\% + 10\% + 2$$

$$S\% = \underline{32\% \quad (Ans = c)}$$

Q7]

$$\rightarrow S.P = 800 \quad M.P \quad D\% = 20\% \quad M.P = ?$$

$$D\% = \frac{M.P - S.P}{M.P} \times 100$$

$$20 = \frac{x - 800 \times 100}{x}$$

$$20x = 100x - 80000$$

$$80x = 80000 \quad \text{Ans = b}$$

$$\underline{x = 1000} \quad (\text{Ans = b})$$

Q8]

$$\rightarrow SP = 1800 \quad \text{P%} = 25\% \quad \text{C.P} = ?$$

$$9M = 9.2$$

$$P\% = \frac{-x + 1800}{x} \times 100$$

$$25x = -100x + 180000$$

$$0.25x = 180000 \quad \text{Ans = c}$$

$$0.25x = \frac{180000}{72} \quad \text{Ans = c}$$

$$1250$$

$$\underline{x = 1440}$$

$$60t = 90 \quad S = 9.11 \quad 0.2 = 0.01 \quad 0.01 = 0.9 \quad \leftarrow$$

Q9]

$$\rightarrow M.P = 1500 \quad D\% = 10\% \quad S.P = ?$$

$$8++ = 9.2$$

$$S.P = 90\% \cdot 1500 = 0.9 \cdot 1500$$

$$= 90 \times 15$$

$$\underline{S.P = 1350} \quad (\text{Ans = b})$$

Q10]

$$\rightarrow C.P = 150 \quad S.P = 200 \quad P\% = ?$$

$$0.08t = 0.01 = 0.8$$

$$P\% = \frac{200 - 150}{150} \times 100 \quad \text{Ans = b}$$

$$= \frac{50}{150} \times 10^2 = 100/3 \quad \underline{\approx 33.33\%} \quad (\text{Ans = c})$$

Q 11]

$$\rightarrow D\% = 15\% \quad P\% = 20\% \quad M.P\% = ?$$

let C.P = 100 then S.P = 120

$$S.P = M.P - 15\% \text{ of } M.P$$

$$S.P = 85\% M.P$$

$$M.P = \frac{120}{85} \times 100$$

$$M.P = 141.18$$

$$M.P\% = \left( \frac{(141.18 - 100)}{100} \right) \times 100$$

$$\underline{\underline{M.P\% = 41.18\%}}$$

Q 12]

$$\rightarrow P\% = 12\% \quad D\% = 5\% \quad M.P = ? \quad CP = 400$$

$$S.P = 112\% \text{ of } 400$$

$$S.P = 448$$

$$D\% = \frac{M.P - S.P}{M.P} \times 100$$

$$(S.P = 112\%) \frac{x - 448}{x} \times 100$$

$$52x = 100x - 44800$$

$$95x = 44800$$

$$x = 44800/95$$

$$M.P = \underline{\underline{x}} = 471.58$$

$$(S.P = 112\%) \frac{x - 448}{x} \times 100 = 12\% \quad \underline{\underline{x}}$$

Q13]

$$\rightarrow C.P = 480 \quad S.P = 576 \quad P\% = ?$$

$$P\% = \frac{S.P^2}{C.P} \times 100 = \underline{\underline{20\%}} \quad (Ans = c)$$

Q14]

$$\rightarrow C.P = 5000 \quad P = 50 \quad P\% = ?$$

$$\therefore S.P = C.P + P = 550$$

$$P\% = \frac{10}{50} \times 100$$

$$P\% = 10\% \quad (Ans = c)$$

Q15]

$$\rightarrow P\% = 15\% \quad S.P = 2300 \quad C.P = ?$$

$$P\% = \frac{S.P - C.P}{C.P} \times 100$$

$$15x = (2300 - x) 100$$

$$3x = (2300 - x) 20$$

$$3x = 46000 - 20x$$

$$23x = 46000$$

$$x = \frac{46000}{23}$$

$$x = C.P = 2000 \quad (Ans = b)$$

Q 16]

$$\rightarrow C.P = 750 \quad S.P = 900 \quad P\% = ?$$

$$(d=20\%) \quad P\% = \frac{2}{150} \times 100 = 13\%$$

$$P\% = 20\% \quad (\text{Ans} = c)$$

Q 17]

$$\rightarrow L\% = 20\% \quad S.P = 640 \quad C.P = ?$$

$$L\% = \frac{x - 640}{x} \times 100$$

$$20x = 100x - 64000$$

$$80x = 64000$$

$$x = 64000 / 80$$

$$\underline{\underline{C.P = x = 800 \quad (\text{Ans} = c)}}$$

Q 18]

$$\rightarrow S.P = 9600 \quad P\% = 20\% \quad C.P = ?(x)$$

$$P\% = \frac{9600 - x}{x} \times 100$$

$$20x = 960000 - 100x$$

$$120x = 960000$$

$$x = 960000 / 12$$

$$\underline{\underline{C.P = x = 8000 \quad (\text{Ans} = b)}}$$

Q19]

$$\rightarrow S.P = 500 \quad P\% = 20\% \quad C.P = ? (x)$$

$$P\% = \frac{S.P - x}{S.P} \times 100$$

$$20 = \frac{500 - x}{500} \times 100$$

$$20x = 50000 - 100x$$

$$120x = 50000$$

$$x = 5000 / 12 = \underline{416.67} = C.P$$

$$001 = \text{silver} \quad 001 = \text{platinum ring}$$

$$002 = \text{gold} \quad 02 = \text{platinum ring}$$

$$\rightarrow C.P_1 = C.P_2 = 1500 \quad P\% = 20\% \quad L\% = 10\%$$

Article<sub>1</sub> = 001

$$S.P_1 = 120\% 1500 =$$

$$(d = 20\%) 1800 \quad 002 = 0.9$$

$$S.P_2 = 90\% 1500$$

$$= 1350$$

$$\text{Total CP} = 3000$$

$$\text{Total SP} = \$3150 (0.9 * n)$$

$$L\% / P\% = \frac{1500}{3000} \times 100$$

$$001 \times 5\% = 5\% \text{ profit} \quad (\text{Ans} = b)$$

$$001 \times 25.51 = 25.51$$

$$25.51 = 25.51$$

Q 21]

$$\rightarrow S.P = 1250 \quad 1\% = 12\% \quad C.P = ? \text{ (x)}$$

$$12x = (x - 1250) 100$$

$$12x = 100x - 125000$$

$$88x = 125000$$

$$x = 125000 / 88$$

$$C.P = x = 1420.45$$

Q 22]

$$\rightarrow \text{Prev Quantity} = 100 \quad \text{Price} = 100$$

$$\text{After Quantity} = 50 \quad \text{Price} = 200$$

$$P\% = \frac{200 - 50}{100} \times \frac{2}{50}$$

$$= 150 \times 2 = 9.2$$

$$P\% = 300\% \text{ (Ans = b)}$$

Q 23]

$\rightarrow$  let  $n$  be numbers

$$n * \left( \frac{n * 20}{100} \right) = 0.2n^2$$

$$2(0.2n^2) = 490$$

$$0.4n^2 = 490$$

$$(d = 2nA) \rightarrow n^2 = \frac{490 \times 100}{4}$$

$$n^2 = 12.25 \times 100$$

$$n^2 = 1225$$

$$n = 35 \text{ (Ans = a)}$$

Q24]

$$\rightarrow L\% = 20\% \quad \text{P} = 50$$

$$S.P = 50 + (35\% \text{ of } 50)$$

$$S.P = 50 + 17.5$$

$$5\% \text{ SP} = S.C$$

$$5\% \text{ SP} = 50$$

$$SP = \frac{50}{5\%} \times 100$$

$$SP = 1000$$

$$L = L\% \times 100$$

$$L\% = \frac{CP - SP}{CP} \times 100$$

$$20 = \frac{x - 1000}{x} \times 100$$

$$(20x) = 100x - 1000$$

$$x = 5x - 500$$

$$4x = 5000$$

$$x = 5000 / 4$$

$$x = 1250$$

$$L = CP - SP$$

$$= 1250 - 1000$$

$$L = 250 \text{ rupees} \quad \underline{\text{Ans}} = 250$$

Q25]

$$\rightarrow CP_1 = CP_2 = 100 \quad CP_1 = 50 \quad CP_2 = 50$$

$$SP_1 = 840 \quad SP_2 = 75$$

$$99.00\% = 90 \quad 90 \text{ is } 115$$

$$\text{Total SP} = 115$$

$$P\% = \frac{115 - 100}{100} \times 100$$

$$P\% = 15\% \text{ profit} \quad \underline{\text{Ans}} = 15$$

Q26]

$$\rightarrow S.P = 6000$$

$$Selling \ expense = L + 10\% L$$

$$50 = 1.1 L$$

$$L = 45.45 \text{ rupees}$$

$$L\% = \left( \frac{45.45}{6000} \right) \times 100 \approx 0.7575\%$$

$$\underline{L\% \approx 0.76\%}$$

Q27]

$$\rightarrow P\% = \frac{300 - 100}{100} \times 100$$

$$\underline{P\% = 200\% \text{ (Ans = } \underline{\underline{E}}\text{)}}$$

Q28]

$\rightarrow E$

$$P = S.P - C.P$$

$$500 = 20\% C.P$$

$$\text{Initial C.P.} = \frac{500}{20} \times 100 =$$

$$= 2500$$

~~$$Initial S.P. = 3000 \rightarrow (2500 + 500)$$~~

$$C.P. = 2500$$

$$\text{New C.P.} = C.P. - 20\% C.P.$$

$$2500 - 500$$

$$2000$$

(Ans)  $\therefore$   $2000$

$$\text{New Profit} = \frac{3000 - 2000}{2000} \times 100$$

$$\text{New Profit} = 1000 \quad (\text{Ans} = c)$$

Q29]

$$\rightarrow C.P_1 = 100 \quad C.P_2 = 90 \quad S.P_1 = S.P_2$$

$$S.P_1 = 125 = S.P_2 \quad (25\% \text{ profit})$$

$$\text{New Profit} = \frac{125 - 90}{90} \times 100$$

$$\text{New Profit} = \frac{350}{9} = 38.8\% \quad (\text{Ans} = b)$$

Q30]

$$\rightarrow C.P_1 = 100 \rightarrow C.P_2 = 200 \quad S.P_1 = 600 \quad S.P_2 = 300$$

$$P\% = \frac{300 - 200}{200} \times 100 = 0.09$$

$$(P\% = 10.0\% \quad (\text{Ans} = c))$$

Q31]

$$\rightarrow C.P_1 = 100 \quad C.P_2 = 125$$

Expenditure before:  $100X$

New Consumption:  $Y \text{ kg}$

$$125Y = 100X$$

$$Y = 0.8X$$

Decrease in consumption =  $X - Y$

$$= X - 0.8X = 0.2X$$

$$35x = 100x - 100000$$

$$65x = 100000 \quad (\text{C.P.} = 90\%)$$

$$x = 100000 / 65$$

$$= 1538.46 \quad (\text{P.V.} = 90\%)$$

$$\text{M.P.} = x = 1539 \quad (\text{Ans} = a)$$

Q37]

→ Let B be 100, then A = 125

$$100 + 90 = C$$

$$\text{Ans} = \frac{25}{125} \times 100 = 20\% \quad (\text{P.V.} = 125)$$

Ans = 20% ( $\cancel{\text{Ans} = 6}$ )

$$\frac{125}{50} = 2.5 \quad \frac{100}{6} = 16.67$$

Q38]

$$\rightarrow D = 2C \quad MP = 10000 \quad SP = ?$$

$$CP = SP$$

$$D = 5MP - SP$$

$$2C = MP - CP$$

$$2C = 10000 - C$$

$$3C = 10000$$

$$C = \frac{10000}{3}$$

$$C = S.P = 3333.33 \text{ rupees (Ans = b)}$$

Q39]

$$SP = 100 \quad CP = 70 \quad D = 40\%$$

$$MP = 12600 \quad CP = 70\% SP \quad D = 40\%$$

$$CP = ?$$

$$D\% = \frac{MP - SP}{MP} \times 100$$

$$40 = [12600 - x] \times 100$$

$$5040 = 12600 - x$$

$$SP = x = 7650$$

$$CP = 70\% 7650$$

$$= 7 \times 765$$

$$CP = 5355.5292$$

$$(Ans = d) 5600 (\text{Closest})$$

Q40]

→

$$x - 0.0001 \cdot 91 = 28 \quad | +0.0001 \cdot 91$$

↓

$$33.33\% x = 20 + 16.66\% x \quad | -16.66\% x$$

$$, 92 - 91.66 = 0$$

$$\frac{x}{3} = 20 + \frac{91.66}{6000} \quad | -20$$

$$0.0001 = 0.6$$

$$\frac{x}{3} - \frac{x}{6} = 20 \quad | :2$$

$$(d = \text{ans}) \quad \underline{\underline{2x - 20}} \quad | :2$$

$$1 \cdot 6$$

$$x/6 = 20$$

$$x = 120$$

$$120\% x = 120\% 120 \quad | = 144 \quad (\text{Ans} = c)$$

$$0.120 = 0.92 \cdot 0.4 = 92 \quad 0.0001 = 0.01$$

Q41]

$$\rightarrow 20\% x = 20\% 20 + 20$$

$$\frac{x}{5} = \frac{20}{5} + 20 - 91 = 10$$

$$x = 5(10 + 20) = 150$$

$$\underline{\underline{x = 120 \quad (\text{Ans} = c)}}$$

$$0.221 \cdot 0.0001 = 0.0221$$

$$0.221 \cdot 0.221 = 0.0221$$

$$0.0221 \cdot 0.0001 = 0.000221$$

$$0.0221 \times 1 =$$

$$0.0221 = 0.0221$$

$$(1 - 0.0221) \cdot 0.0221 = 0.021779$$

Q42]

$$\rightarrow 100 \rightarrow 200 \rightarrow 600 \rightarrow 1200 \rightarrow 3600$$

$$\% \text{ change} = \frac{3600 - 100}{100} \times 100\%$$

$$\% \text{ change} = 3500\% \quad (\text{Ans} = a)$$

Q43]

$$\rightarrow 234 - x = \frac{65}{100} \times 234$$

$$\frac{65}{100} \times 234 = 152.1$$

$$\therefore 234 - x = 152.1$$

$$x = 81.9 \quad (\text{Ans} = b)$$

Q44]

$$\rightarrow \frac{90}{100} \times \frac{900}{100} \times \frac{9000}{100} \times 9 = \text{Ans}$$

$$\text{Ans} = 6561 \quad (\text{Ans} = d)$$

Q45]

$$\rightarrow \text{Initial expenditure} = 25S$$

$$\text{Sal. of 13 employees} = 13S$$

$$\text{Remaining employees} = 25S - 13S = 12$$

$$\text{As salary of 12 employees increase by } 24\%,$$

$$S + 0.24S = 1.24S$$

$$12 \times 1.24S = 14.88S$$

$$\text{Net change} = 14.88S - 2SS$$

$$= -10.12S$$

$$\% \text{ Net change} = \left( \frac{-10.12S}{2SS} \right) \times 100$$

$$= -40.48\%$$

% Net change = 40.48% decreased

Q46]

$$C.P = 3500 \quad D \% \quad 15\%$$

$$1.15C.P = C.P + 15\% C.P$$

$$1.15 \times 3500 = D$$

$$D = Rs 525 \quad (\text{Ans.} = c)$$