



1 LAKH + SELECTED ASPIRANTS
✓ CHOSE **SMARTKEEDA**

NOW IT'S YOUR TURN!



2024 ACHIEVERS



RIYA BAISHYA
(IBPS PO & CLERK 2024)



SURBHI
(IBPS CLERK)



MUSKAN PARWEEN
(IBPS CLERK 2024)



KARMANPREET KAUR
(IBPS PO 2024)



ADITYA LODHI
(IBPS CLERK 2024)



SANCHITA KARMAKAR
(IBPS CLERK 2024)



S MOUNIKA
(IBPS PO 2024)



DIVYANSH NARAIN
(IBPS PO 2024)



PARWINDER SINGH
(IBPS CLERK 2024)



ANKITA PAUL
(IBPS CLERK 2024)



YASHIKA BHARDWAJ
(IBPS PO 2024)



DUSHYANT RATHORE
(IBPS PO 2024
IBPS CLERK 2024)

Best of SmartKeeda



Mock Tests



CA Mockdrill



Speed Drills



Topic Tests



Sectionals



Smart Video Course

USE CODE **FEST25** for 10% OFF

 **Smartkeeda**
presents



SPEED DRILLS

India's first tool to improve

SPEED & ACCURACY

in Bank Exams

Practice **40,000+** Ques in _____
(English | Reasoning | Quant)

Features:

- ◆ Improve Speed and Accuracy
- ◆ Unlimited no. of drills/quizzes
- ◆ Detailed Explanation
- ◆ AI Driven Analysis
- ◆ Topic Wise Questions

Useful For

**RRB Clerk | RRB PO | IBPS Clerk |
IBPS PO | SBI Clerk | SBI PO**

6. Ratio of profit to discount on an item is 4 : 3 and the ratio of cost price to the marked price is 12 : 19. If the selling price of the item was Rs. 560, find the marked price of the item.
- A. Rs. 475 B. Rs. 555 C. Rs. 665 D. Rs. 695 E. Rs. 725
7. On an item, the profit percent and the discount percent are equal. If marked price is Rs. 120 more than the cost price, find the selling price of the item.
- A. Rs. 120 B. Rs. 180 C. Rs. 200 D. Rs. 240 E. Can't be determined
8. If the profit on an item is decreased by 40%, the selling price is decreased by 10%. If the average of selling price before and after decreasing the profit is Rs. 190, find the cost price of the item.
- A. Rs. 120 B. Rs. 150 C. Rs. 180 D. Rs. 200 E. Rs. 50
9. The ratio of the cost price to the marked price of an article is 3 : 5, and the ratio of the profit percentage to discount percentage is 5 : 3. What is the discount percentage offered?
- A. 20 B. 25 C. 50 D. 75 E. None of these
10. The cost price and marked price of a product is Rs. 840 and Rs. 1200 respectively. If the profit percent is 125% of the discount percent, what is the amount (in Rs.) of profit on the product?
- A. 175 B. 196 C. 172 D. 168 E. 210



[Join us](#)

www.smartkeeda.com | testzone.smartkeeda.com

SBI | RBI | IBPS | RRB | SSC | NIACL | EPFO | UGC NET | LIC | Railways | CLAT | RJS



[Join us](#)

Correct Answers:

1	2	3	4	5	6	7	8	9	10
D	E	D	E	D	C	E	B	A	D

TOPIC TEST

Features:

- * 900+ Tests
- * Unlimited Retakes
- * Detailed Analysis
- * 9000+ Questions

**Use Code: Fest25**

**Start your basic to advance
journey now**

Smartkeeda.com





[Join us](#)

www.smartkeeda.com | testzone.smartkeeda.com

SBI | RBI | IBPS | RRB | SSC | NIACL | EPFO | UGC NET | LIC | Railways | CLAT | RJS



[Join us](#)

Explanation:

1. Let the cost price was Rs. 100C, Selling price was Rs. 100S, and the marked price was Rs. 100M

Then, we have

$$12 \times (100S - 100C) = 100M \rightarrow 12(S - C) = M \text{ -----(i)}$$

$$\text{Also, we have } 75M = 100S \rightarrow S = 0.75M \text{ -----(ii)}$$

From (i) and (ii), we get

$$12(0.75M - C) = M$$

$$9M - 12C = M$$

$$8M = 12C \rightarrow M = 1.5C$$

$$\frac{(M - C)}{C} \times 100 = 50\%$$

Hence, option D is correct.

2. Let the Cost price = 70k

$$MP = (100\% + 114.28\%) CP = \frac{15}{7} \times CP = 150k$$

$$\text{Offer price} = 80\% (150k) = 120k$$

$$\text{Selling price} = 70\% (120k) = 84k$$

If the book was sold at a discount of 30% on MP

$$SP' = 70\% (150k) = 105k$$

$$\text{Difference in Profit} = SP' - SP = 105k - 84k = 21k$$

$$21k = 48$$

$$k = \frac{16}{7}$$

$$CP = 70k = 70 \times \frac{16}{7} = \text{Rs. } 160$$

Hence, option E is correct.

3. Let the discount percent on first, second, and third item is P%, Q% and R% respectively, and let the amount of discount be Rs 120y. Then, discount percentage

$$\text{On Rs. 600 item} = \frac{P}{100} \times 600 = 120y \rightarrow P = 20y$$

Similarly,

$$\text{On Rs 1000 item, } Q = 12y$$

$$\text{On Rs 1200 item, } R = 10y$$

$$\text{Sum of discount percent of second and third item is} = (12y + 10y) = 22y$$

$$\text{Percent} = \frac{22y}{20y} \times 100 = 110\%$$

Hence, option D is correct.

4. Let the cost price of the article be Rs. 100P.

Then,

$$\text{Marked price} = \text{Rs. } 200P$$

Now, at R% discount he makes a loss of 10%, means the item is sold at 80P, we have

$$\left(1 - \frac{R}{100}\right) 200P = 80P$$

$$R = 60$$

Similarly, for the next case, we have

$$\left(1 - \frac{S}{100}\right) 200P = 125P$$

$$S = 37.5$$

$$10 \times (R - S) = 10 \times (60 - 37.5) = 225$$

Hence, option E is correct.

5. Let the cost price of the article be Rs. 100P then the marked price would be 150P.

Now, at (10R)% discount we have

$$\left(1 - \frac{10R}{100}\right) \times 150P = 90P$$

$$10R = 40 \rightarrow R = 4$$

Similarly, we have

$$\left(1 - \frac{20S}{100}\right) \times 150P = 105P$$

$$20S = 30 \rightarrow S = 1.5$$

$$10 \times (R + S) = 10 \times (4 + 1.5) = 55$$

Hence, option D is correct.



[Join us](#)

www.smartkeeda.com | testzone.smartkeeda.com

SBI | RBI | IBPS | RRB | SSC | NIACL | EPFO | UGC NET | LIC | Railways | CLAT | RJS



[Join us](#)

6. Let the cost price and the marked price be Rs. $12y$ and Rs. $19y$ respectively while the profit and discount be Rs. $4z$ and $3z$ respectively.

$$12y + 4z + 3z = 19y \rightarrow z = y$$

$$\text{Selling price} = 12y + 4z = 12y + 4y = 560 \rightarrow y = z = 35$$

$$\text{Marked price} = 19 \times 35 = \text{Rs. } 665$$

Hence, option C is correct.

7. Let the cost price be Rs. $100C$, then the marked price = $100C + 120$

Let the discount percent = profit percent = $R\%$, then

$$\left(1 + \frac{R}{100}\right) \times 100C = \left(1 - \frac{R}{100}\right) \times (100C + 120)$$

We have only equation and two variables, so we cannot find the answer.

Hence, option E is correct.

8. Let the cost price be Rs. $100C$ and the profit (before decreasing) is Rs. $100P$.

On decreasing the profit, new profit = Rs. $60P$

Selling price before decreasing the profit = $100C + 100P$

Selling price after decreasing the profit = $100C + 60P$

The new selling price is 10% less than the old selling price, so

$$0.9 \times (100C + 100P) = 100C + 60P \rightarrow C = 3P \text{ ----(i)}$$

Also, we have

Average of old and new selling price

$$= \frac{[(100C + 100P) + (100C + 60P)]}{2} = 190 \rightarrow 10C + 8P = 19$$

From (i), we get $10(3P) + 8P = 19 \rightarrow P = 0.5$

And, $C = 3 \times 0.5 = 1.5$

The cost price = $100 \times 1.5 = \text{Rs. } 150$

Hence, option B is correct.

9. Let MP = 100

CP = 60

Profit + Discount = $100 - 60 = 40$

Let profit percentage = $5x\%$

Discount percentage = $3x\%$

$5x\%$ of 60 + $3x\%$ of 100 = 40

$$x = \frac{40}{6}$$

Discount % = $3 \times \frac{40}{6} \% = 20\%$

Hence, Option A is correct.



[Join us](#)

www.smartkeeda.com | testzone.smartkeeda.com

SBI | RBI | IBPS | RRB | SSC | NIACL | EPFO | UGC NET | LIC | Railways | CLAT | RJS



[Join us](#)

10. CP = 840 and MP = 1200

$$1200 - 840 = 360$$

$$\frac{\text{Profit}}{840} = \frac{125}{100} \times \frac{\text{Discount}}{1200}$$

$$\frac{\text{Profit}}{\text{Discount}} = \frac{7}{8}$$

$$\text{Profit} + \text{Discount} = 360$$

$$\text{Profit} = \text{Rs. } 168$$

Hence, Option D is correct.



[Join us](#)

www.smartkeeda.com | testzone.smartkeeda.com

SBI | RBI | IBPS | RRB | SSC | NIACL | EPFO | UGC NET | LIC | Railways | CLAT | RJS



[Join us](#)

CA MOCKDRILL PRO

भूलना मना है!

Pro Features

- NEWS IN THE FORM OF FLASHCARDS
- CHAPTER-WISE SEGREGATION OF NEWS ON A MONTHLY BASIS
- SMART 350 NEWS ON A MONTHLY BASIS
- QUESTIONS BASED ON EACH & EVERY CRUCIAL INFO GIVEN IN NEWS
- DIGITAL, FINANCIAL AWARENESS & RBI CIRCULARS
- INCORRECT ANSWERS REAPPEAR UNTIL YOU GET THEM RIGHT
- AI-POWERED WEEKLY & MONTHLY REVISIONS
- BILINGUAL (ENG + HINDI)

 **POWER-UP
YOUR CA**



Smartkeeda

Govt Exam Prep App

Presents

Testzone

India's Leading Test Series Platform

All Banks Exams

2025-26

12 Months Plan

@Just

Rs. 539

To get 10% Off use code **FEST25**

- ✓ **Brilliant Test Analysis**
- ✓ **Excellent Content**
- ✓ **Unmatched Explanation**

Buy Now

