## CDS 2 2024

LIVE

# REVISION STATES

CLASS 2

SSBCrack EXAMS





### 06 August 2024 Live Classes Schedule

8:00AM - 06 AUGUST 2024 DAILY CURRENT AFFAIRS RUBY MA'AM

9:00AM O6 AUGUST 2024 DAILY DEFENCE UPDATES DIVYANSHU SIR

### SSB INTERVIEW LIVE CLASSES

9:00AM - INTRODUCTION OF PPDT & PRACTICE ANURADHA MA'AM

### **AFCAT 2 2024 LIVE CLASSES**

1:00PM -- (MAHA MARATHON SESSION - PART 2

### NDA 2 2024 LIVE CLASSES

11:00AM GK - HISTORY REVISION - CLASS 2 RUBY MA'AM

12:00PM PHYSICS REVISION - CLASS 2 NAVJYOTI SIR

1:00PM MATHS REVISION - CLASS 2 NAVJYOTI SIR

2:00PM BIOLOGY REVISION - CLASS 2 SHIVANGI MA'AM

### CDS 2 2024 LIVE CLASSES

11:00AM GK - HISTORY REVISION - CLASS 2 RUBY MA'AM

12:00PM PHYSICS REVISION - CLASS 2 NAVJYOTI SIR

2:00PM BIOLOGY REVISION - CLASS 2 SHIVANGI MA'AM

3:00PM MATHS REVISION - CLASS 2 NAVJYOTI SIR







## REVISION TOPIC:

Profit and Loss



Q) A shopkeeper sells his articles at their cost price but uses a faulty balance which reads 1000g for 800g. What is his actual profit percentage?

- (c) 40%



$$\frac{SP - CP}{CP} \times 100 = \frac{200}{800} \times 100 = 25\%.$$



**Q)** A shopkeeper sells his articles at their cost price but uses a faulty balance which reads 1000g for 800g. What is his actual profit percentage?

(a) 25%

(b) 20%

(c) 40%

(d) 30%

Ans: (a)



Q) Two lots of onions with equal quantity, one costing ₹ 10 per kg and the other costing ₹15 per kg, are mixed together and whole lot is sold at ₹ 15 per kg. What is the profit or loss?

- (a) 10% loss (b) 10% profit (c) 20% profit (d) 20% loss

Let the quantity be 
$$x \cdot kg$$
 for each lot.  

$$CP = 10x + 15x = $^{2}25x$$

$$SP = 15(x+x) = $^{3}30x$$

$$\frac{5x}{25x} \times 100 = 20\%$$



Q) Two lots of onions with equal quantity, one costing ₹ 10 per kg and the other costing ₹15 per kg, are mixed together and whole lot is sold at ₹ 15 per kg. What is the profit or loss?

(a) 10% loss

(b) 10% profit

(c) 20% profit

(d) 20% loss

**Ans: (c)** 



- Q) A milk vendor bought 28 *l* of milk at the cost of ₹ 8.50 per *l*. After adding some water, he sold the mixture at the same price. If he gains 12.5%, how much water did he add?
  - (a) 5.5 *l*

(b) 4.5 *l* 

(c) 3.5 l

(d) 2.5 l

$$SP = (28 + \alpha) 8.50$$

$$\chi = \frac{1205 \times 280}{100}$$

Let x l.



Q) A milk vendor bought 28 *l* of milk at the cost of ₹ 8.50 per *l*. After adding some water, he sold the mixture at the same price. If he gains 12.5%, how much water did he add?

(a) 5.5 *l* 

(b) 4.5 *l* 

(c) 3.5 l

(d) 2.5 l

Ans: (c)



Q) Anu sold an article for ₹480 at some profit. Had she sold it for ₹400, then there would have been a loss equal to onethird of the initial profit. What was the cost price of the article? article?
(a) ₹450 (b) ₹430 (c) ₹425 (d) ₹420 CP

$$\frac{CP - 400}{3} = \frac{1}{3} (480 - CP)$$

$$\frac{4}{3} CP = 560$$

$$\frac{700}{3} = 420$$



Q) Anu sold an article for ₹480 at some profit. Had she sold it for ₹400, then there would have been a loss equal to one-third of the initial profit. What was the cost price of the article?

(a) ₹450

(b) ₹430

(c) ₹425

(d) ₹420

**Ans: (d)** 



Q)A man buys 4 tables and 5 chairs for ₹ 1000. If he sells the tables at 10% profit and chairs 20% profit, he earns a profit of ₹ 120. What is the cost of one table?

$$\frac{11}{10}x + 1200 - \frac{12x}{10} = 120$$

$$\begin{array}{cccc} CP & of & d & fables & \longrightarrow & & & & & & & & & & & & & \\ u & n & & 5 & chairs & & \longrightarrow & & & & & & & & & & & & \\ \end{array}$$

$$\frac{-\chi}{10} = -1080$$

$$\alpha = 1080 \times 10$$

$$\frac{2 \times 100}{100} + (1000 - x) \frac{120}{100} = 120 \qquad \frac{2}{4} = \frac{270}{1000} \times 10$$



Q) A man buys 4 tables and 5 chairs for ₹ 1000. If he sells the tables at 10% profit and chairs 20% profit, he earns a profit of ₹ 120. What is the cost of one table?

(a) ₹200

(b) ₹220

(c) ₹240

(d) ₹260

Ans: (a)



Q) A trader marked a watch 40% above the cost price and then gave a discount of 10%. He made a net profit of ₹ 468 after paying a tax of 10% on the gross profit. What is the cost price of the watch?

atch? (b) ₹ 1800 (cp)
(d) ₹ 2340 

$$frofit = \frac{63}{50} cP - cP = \frac{/3}{50} cP$$

$$Piscount = \frac{1}{10} \times \frac{7}{5} CP$$

$$SP = \frac{2}{5}CP \times \left(1 - \frac{1}{10}\right) = \frac{63}{50}CP$$

net profif = 
$$\frac{13}{50} cp \left(1 - \frac{1}{10}\right)$$
  
=  $\frac{9}{10} \times \frac{13}{50} cp = 468$   
=>  $cp = \frac{368}{4} \times 10 \times 50 = 2000$ 



Q) A trader marked a watch 40% above the cost price and then gave a discount of 10%. He made a net profit of ₹ 468 after paying a tax of 10% on the gross profit. What is the cost price of the watch?

(a) ₹1200

(b) ₹1800

(c) ₹2000

(d) ₹2340

Ans: (c)



Q)One saree was purchased for ₹ 564 after getting a discount of 6% and another saree was purchased for ₹ 396 after getting a discount of 1%. Taking both the 70% discount = (600 - 564) + / items as a single transaction, what is the percentage of discount?

(a) 3.5

(c) 7

MP - 6% on MP = 564 - (SP)  $\frac{94}{100} MP = 564 \times 100 = 28200 = 600$ 



Q)One saree was purchased for ₹ 564 after getting a discount of 6% and another saree was purchased for ₹ 396 after getting a discount of 1%. Taking both the items as a single transaction, what is the percentage of discount?

(a) 3.5

(b) 4

(c) 7

(d) 7.5

**Ans: (b)** 



Q)A shopkeeper buys a product of ₹ 150 per kg. 15% of product was damaged. At what price (per kg) should he sell the remaining so as to earn a profit of 20%?

(a) 
$$\ge 205 \frac{13}{17}$$

(b) 
$$\stackrel{?}{=} 207 \frac{13}{17}$$

(c) 
$$\not\equiv 209 \frac{13}{17}$$

(d) 
$$\stackrel{?}{=} 211 \frac{13}{17}$$



Q)A shopkeeper buys a product of ₹ 150 per kg. 15% of product was damaged. At what price (per kg) should he sell the remaining so as to earn a profit of 20%?

(a) 
$$\ge 205 \frac{13}{17}$$

(b) 
$$\stackrel{?}{=} 207 \frac{13}{17}$$

(c) 
$$₹209 \frac{13}{17}$$

(d) 
$$\stackrel{?}{=} 211 \frac{13}{17}$$



Q)An article is sold at a certain price. If it is sold at  $33\frac{1}{3}\%$  of this price, there is a loss of  $33\frac{1}{3}\%$ . What is the percentage

profit when it is sold at 60% of the original selling price?

(a) 20 (b) 30 (c)  $33\frac{1}{3}$  (d)  $17\frac{1}{3}$ 



- **Q)**An article is sold at a certain price. If it is sold at  $33\frac{1}{3}\%$  of this price, there is a loss of  $33\frac{1}{3}\%$ . What is the percentage profit when it is sold at 60% of the original selling price?

- (a) 20 (b) 30 (c)  $33\frac{1}{3}$  (d)  $17\frac{1}{3}$

**Ans: (a)** 



Q)A cloth merchant buys cloth from a weaver and cheats him by using a scale which is 10 cm longer than a normal metre scale. He claims to sell cloth at the cost price to his customers, but while selling uses a scale which is 10 cm shorter than a normal metre scale. What is his gains?

(a) 20%

(b) 21%

(c)  $22\frac{2}{9}\%$ 

(d)  $23\frac{1}{3}\%$ 



**Q)**A cloth merchant buys cloth from a weaver and cheats him by using a scale which is 10 cm longer than a normal metre scale. He claims to sell cloth at the cost price to his customers, but while selling uses a scale which is 10 cm shorter than a normal metre scale. What is his gains?

(a) 20%

(b) 21%

(c)  $22\frac{2}{9}\%$ 

(d)  $23\frac{1}{3}\%$ 

Ans: (c)



**Q)**By giving 25% discount a trader earns 25% profit. If he sells the item at 10% discount, what is his profit?

(a) 10%

(b) 40%

(c) 45%

(d) 50%



**Q)**By giving 25% discount a trader earns 25% profit. If he sells the item at 10% discount, what is his profit?

(a) 10%

(b) 40%

(c) 45%

(d) 50%

Ans: (d)



Q) A man bought 500 metres of electronic wire at 50 paise per metre. He sold 50% of it at a profit of 5%. At what percent should he sell the remainder so as to gain 10% on the whole transaction?

(a) 13%

(b) 12.5% (c) 15% (d)

20%



Q) A man bought 500 metres of electronic wire at 50 paise per metre. He sold 50% of it at a profit of 5%. At what percent should he sell the remainder so as to gain 10% on the whole transaction?

(a) 13%

(b) 12.5% (c) 15% (d)

20%

**Ans: (c)** 



Q) A shopkeeper gets a loss of 28 (4/7)% on CP, find percentage loss on SP.

(a) 30%

(b)  $\frac{200\%}{3}$ 

(c) 40%

(d) None of these



Q) A shopkeeper gets a loss of 28 (4/7)% on CP, find percentage loss on SP.

(a) 30%

(b)  $\frac{200\%}{3}$ 

(c) 40%

(d) None of these

Ans: (c)

## CDS 2 2024

LIVE

# REVISION S

CLASS 3

SSBCrack EXAMS

ISSBCrack

**NAVJYOTI SIR** 

### REVISION TOPICS: (07/08/24)

Speed, Time and Distance