

Quantitative Aptitude

Profit & Loss (Successive selling and Dishonest Dealings)

Concept	Formula / Shortcut	Explanation & Tips
Successive Profit or Loss	$\text{Net}\% = A + B + (A \times B)/100$	A and B are successive profit/loss percentages
Successive Loss Formula	Same: $\text{Net}\% = A + B + (A \times B)/100$ Use negative signs for loss	Example: 20% profit then 10% loss $\rightarrow \text{Net}\% = 20 - 10 - (20 \times 10)/100 = 8\%$ profit
Dishonest Dealer (Using false weight)	$\text{Gain}\% = (\text{Error in weight} / \text{True weight}) \times 100$	If dealer gives 950g instead of 1kg: $\text{Gain} = (50/950) \times 100$
Dishonest Dealer (Mixing cheaper item)	$\text{Gain}\% = (\text{Profit on mixing} / \text{Cost Price of mixture}) \times 100$	E.g. mixing 1kg of ₹100 item with 1kg of ₹50 item & selling at ₹100
Double Selling (Profit in both deals)	If $\text{SP}_1 = \text{SP}_2$ but $\text{CP}_1 \neq \text{CP}_2$: $\text{Loss}\% = (\text{Loss}^2 / \text{Profit}\%)$	Use when an item is sold at two different CPs but same SP
Overall Profit/Loss on Successive Selling	1st $\text{SP} = \text{CP} + \text{profit/loss}$, 2nd $\text{SP} = \text{new CP} \pm \text{profit/loss}$	Always take base as first CP , then find overall %

SSC CGL 2025

 **Notification OUT !!** **Vacancies 14582**

आपके Officer बनने की तैयारी, अब हमारी ज़िम्मेदारी!

SSC CGL (Tier 1 & 2)
महापैक के साथ!

जल्दी कीजिए!



7140+ Selections Till date

For Admission/Enquiry Call at : **9205821247**



Test Prime
ALL EXAMS, ONE SUBSCRIPTION.

70,000+ Mock Tests
600+ Exam Covered

Personalised Report Card
Previous Year Papers

Unlimited Re-Attempt
500% Refund

Abhi Download Karo

The banner features a central 'Test Prime' card on a red pedestal with a gold crown. To the right, a grid of icons represents various exam boards and institutions, including UPSC, SSC, Banking, and others. A yellow button at the bottom right encourages downloading the app.

[For more study material and quizzes check out SSC CGL Target 150+ Success Series](#)

