



Campus **KD Campus Pvt. Ltd** 2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009 Ist item 12 15 Now, IInd item 20 15 S.P of remaining 60 apples = ₹288 32 30 Then, : 15 units = ₹450 .: Required selling price of each apple 32 units = $\frac{450}{15}$ × 32 = ₹960 = $\frac{288}{60}$ = ₹4.8 24. (D) A.T.Q, $\therefore \text{ Required loss \%} = \frac{960 - 900}{960} \times 100$ $= 6\frac{1}{4}\%$ 20. (A) A.T.Q, Now. 8A + 12B + 2C = 30Milk Water $3 \rightarrow 5 \times 63 \times 3$ I 2 \Rightarrow 8(A + B) + 4 (B + C) - 2C = 30 $4 \rightarrow 7 \times 45 \times 2$ $\Rightarrow 8 \times 3 + 4 \times 2 - 2C = 30 \Rightarrow C = 1$ II 3 $5 \rightarrow 9 \times 35 \times 1$ III 4 Then, Time taken by C to complete the work Now, the ratio of milk and water in the three $=\frac{30}{1}=30$ hours containers becomes Milk Water 25. (B) A.T.Q, Ι 378 567 The candidates passed in both the II 270 360 subjects = (65 + 75 - 80) = 60%III 140 175 Now, Then, $60\% = 2400 \implies 1\% = 40$ the ratio of milk and water in the new Then, mixture total number of candidates = 100%= 378 + 270 + 140 : 567 + 360 + 175 $= 100 \times 4 = 4000$ = 788 : 1102 = 394 : 551 26. (B) A.T.Q, 21. (B) Let the Original price of sugar = $\frac{1}{2}x / kg$ $-\frac{7800}{13x}$ 780 Net decrement in number = $\frac{20 \times 20}{100}$ = 4% = 6 x $\Rightarrow \frac{10140 - 7800}{12x} = 6 \Rightarrow x = 30$ Now, 4% = 50 Then, ∴ Original price of sugar = ₹30/kg the original number = $\frac{50}{4} \times 100 = 1250$ 22. (C) S.P. C.P. I 9 10 × 4 27. (C) A.T.Q, II 9 8 × 5 Interest obtained in $\left(4 - \frac{5}{2}\right) = 1\frac{1}{2}$ years 5 × 8 III 4 Here, total S.P. = $9 \times 4 + 9 \times 5 + 4 \times 8 = 113$ = 986 – 935 = ₹51 and. Now. total C.P = $10 \times 4 + 8 \times 5 + 5 \times 8 = 120$ Then. interest obtained in $2\frac{1}{2}$ years loss percentage = $\frac{120 - 113}{120} \times 100 = 5.83\%$ = $\frac{51}{1.5}$ × 2.5 = ₹85 23. (D) A.T.Q, S.P. of 80 apples = $240 \times \frac{6}{5} = ₹288$ Then Principal amount = 935 – 85 = ₹850 and, : Required rate of interest Numbers of remaining apples 85×100 $=\frac{3}{4} \times 80 = 60$ = 4% 850×2.5 Ph: 09555108888, 09555208888 3





















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