

Quant Quiz of 25th Sept.

Solutions

1. (C) Let CP of each camera's = 10 Rs.
 In 1st case
 Total cp of 20 cameras = 200
 Total sp of 20 cameras
 = (120+24)+(80+8) = 232
 Profit = 232 - 200 = 232
 In Second case profit = 15% of 200 = 30
 So, 32 - 30 = 36

$$1 = 18$$

$$10 = 180$$

2. (C) Let MP of 1 kg Tea = 10 Rs.
 CP of 21 kg = 180
 SP of 21 kg = 21 × 10 = 210
 So, Profit % = $\frac{(210-180) \times 100}{180} = 16.66\%$

3. (C) Let CP of Titan = x
 $x \times \frac{110}{100} \times \frac{110}{100} \times \frac{(100+\frac{25}{11})}{100} = 990$
 x = 800

4. (b) Let CP = 100
 So, Tag Price = 80
 SP after discount = $80 - 80 \times \frac{1}{16} = 75$
 Total loss = 100 - 75 = 25
 When loss 25 then CP = 100
 So, When loss 37.5 then CP
 = $\frac{100}{25} \times 37.5 = 150$
 So, SP = CP - Loss
 = 150 - 37.5 = 112.5

5. (C)

6. (A) i.e CP = 60
 i. e New SP = 60 + 2 × 36 = 132

7. (A) Let CP of 1 Lit of Petrol = 200
 & CP of 1 Lit of Kerosene = 100
 CP of 1 Lit solution = 200 + 25 = 225
 SP of 1 lit solution = 200 + 50 = 250
 Profit % = $\frac{(250-225) \times 100}{225} = \frac{1}{9} \times 100$
 = $11\frac{1}{9}\%$

8. (b) When profit calculate on S.P
 Then Profit = 20% of 1800 = 360
 When Profit calculate on CP (=x)
 $x + \frac{x}{5} = 1800$
 x = 1500
 Profit = 300
 Required difference = 360 - 300 = 60
 Rs.
9. (A) Discount offer by Abhishek = 10 % of 28000 = 2800
 Total Discount offer by Bhanu
 = 12% of 20,000 + 8% of 8000
 = 3040
 Required difference
 = 3040 - 2800 = 240
10. (b) 80% = 800
 100% = 1000
 When discount 15%
 SP = 850
 Required difference = 850 - 800 = 50