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 = $80-80x\frac{1}{16} = 75$
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) Let CP = 100
New CP after mixing 10% = 90
Again, New CP after mixing 10% water
= $90-9 = 79$
So, P% = $100-79 = 21\%$

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

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