5-1-2010

DATA INTERPRETATION

63

P.9 NO:- 95

5. $x \rightarrow$ below poverty line

38% of $x = 12160$

$x = 32000$

$x = 16\% = 32000$

$1\% = 2000$

$S = 11\% = ?$

$11\% = 22000$

6. I : Z

46% of 21% : 42% of 11%

$\frac{46}{100} \times \frac{21}{100} : \frac{42}{100} \times \frac{11}{100}$

$23 : 11$

7. $R = 16\% = 32000$

$1\% = 2000$

$y = 15\% = ?$

$y = 15 \times 2000 = 30000$

$\downarrow$

below poverty

50% of $x = 30000$

$x = \frac{30000 \times 100}{50}$

$x = 15600$

8. $y = 15\% = 30000 \rightarrow 2007$

$1\% = 2000$

$V = 10\% = 10 \times 2000 = 20000 \rightarrow 2007$

$V = 10\% \uparrow = \frac{110}{100} \times 20000 = 22000 \rightarrow 2008$

$\downarrow$

58% of $x = 22000$

$x = 12760$

9. R : Z

$10\% \uparrow$: $5\% \downarrow$

51% of 16% : 42% of 11%

$$\frac{110}{100} \times \frac{51}{100} \times \frac{16}{100} : \frac{95}{100} \times \frac{42}{100} \times \frac{11}{100}$$

2 : 1

Level – II

1. $CP = 40 \times N + 3000$

$SP = 60 \times N$

profit $= 1000/-$

$SP - CP =$ profit

$60N - (40N + 3000) = 1000$

$N = 200$

2. $A \xrightarrow{20\%\uparrow} B \xrightarrow{10\%\downarrow} C \xrightarrow{10\%\uparrow}$

$R = 110$ $SP = 1188$

$$C.P = \frac{100}{120} \times \frac{100}{90} \times \frac{100}{110} \times 1188$$

$CP = 1000$

price $= 1000 -$ Repairs

$= 1000 - 110$

$= 890$ Rs.

5. $1400 \times \frac{80}{100} \times \frac{90}{100}$

$= 1008$

6. R.S. 650

(A) (B)

profit $= 20\%\uparrow$ Loss $= 25\%\uparrow$

$SP = SP$

$CP = x$ $CP = (650 - x)$

$$\frac{120}{100} \times x = \frac{75}{100} \times (650 - x)$$

$x = 250$

$CP = 650 - 250$

$= 400$

3. $M \xrightarrow{18\%\uparrow} W \xrightarrow{20\%\uparrow} R \xrightarrow{25\%\uparrow} C$

$SP = 30.09$

$$CP = \frac{100}{118} \times \frac{100}{120} \times \frac{100}{125} \times 30.09$$

$= 17/-$

7. $CP = 150 \times 250 + 2500 = 40{,}000$

$SP = 320 \times \frac{95}{100} = 304$

$SP = 304 \times 150 = 45{,}600$

$$\text{profit}(\%) = \frac{SP - CP}{CP} \times 100$$

$$= \frac{45600 - 40000}{40000} \times 100$$

$= 14\%$