

Percentage of Profit & LossQ.1)

$$\frac{1}{4} \times \frac{50}{200} = \underline{50}$$

Q.7)

$$\frac{18000 \times 25}{48000} = \underline{25}$$

Q.2)

$$40\% = 80$$

$$100\% = n$$

$$\frac{100 \times 80}{100} = n$$

$$= \underline{200}$$

Q.8)

$$\frac{(\text{Old} - \text{New})}{\text{Old}} \times 100$$

$$\frac{2000}{10000} \times 100$$

$$= \underline{20}$$

Q.3)

$$75\% = 150$$

$$100\% = n$$

$$\frac{100 \times 150}{75} = n$$

$$n = \underline{200}$$

Q.9)

$$\frac{20}{100} \times 100$$

$$= \underline{20}$$

Q.10)

$$\frac{\text{Loss \%}}{CP - SP} \times 100$$

$$30 = \frac{2.5 - 1.5}{1.6} \times 100$$

$$= \underline{25}$$

Q.4)

$$\frac{3}{15} \times \frac{6}{100} = \underline{18}$$

Q.5)

$$30\% = 90$$

$$100\% = n$$

$$\frac{100 \times 90}{30} = \underline{300}$$

Q.11)

$$120 = 120$$

$$= \underline{C}$$

Q.6)

$$\frac{(\text{New} - \text{Old})}{\text{Old}} \times 100$$

$$\frac{250 - 200}{200} \times 100$$

$$\frac{50}{200} \times 100 = \underline{25}$$

Q.12)

$$40\% = 8000$$

$$100\% = n$$

$$\frac{2000}{8000} \times 100$$

$$= \underline{20,000}$$

Q.12)

$$\frac{20}{100+20} \times 100$$

$$\begin{array}{r} \$1020 \times 100 \\ 120 \\ 65 \\ 16.67 \\ 31 \end{array}$$

(16.67)

Q.14)

$$\frac{25}{100+25} \times 100$$

$$\begin{array}{r} 525 \times 100 \\ +25 \\ 2551 \end{array}$$

(25)

Q.15)

$$\frac{40}{100+40} \times 100$$

$$\begin{array}{r} 5740 \times 100 \\ 140 \\ 71 \\ 29.5 \end{array}$$

Q.16)

$$\frac{100}{120}$$

83.3%

Q.17)

$$\frac{100}{130}$$

76.9%

Q.18)

$$\frac{100}{125}$$

(80%)

Q.19)

$$\frac{100}{140}$$

71.4%

Q.20)

$$\frac{100}{120}$$

83.3%

Q.21)

$$SP = CP + Profit$$

$$= 100 + 25$$

$$= 125$$

Q.22)

$$SP = 100\% - 50 = 50$$

$$CP = \frac{SP}{1 + (P/L)\%}$$

$$CP = \frac{450}{1 + 0.08}$$

$$= \frac{450}{1.08}$$

$$= 416.67$$

$$\approx 420$$

Q.23) $SP = CP + \text{Profit}$
 $SP = 100 + 20$
 $SP = 120\%$
 $\text{Profit} = SP - CP = 120 - 100 = 20$

$\text{P\%} = \frac{20}{100} \times 100$
 $\text{P\%} = 20\%$
 $\text{P\%} = 16.67\%$

Q.24) $MP = 1200$
 $SP = 960$
 $1200 - 960 = 240$
 $\frac{240}{1200} \times 100$
 20%

Q.25) $CP = 800$
 $SP = 650$
 $\text{P\%} = \frac{150}{800} \times 100$
 18.75%
 20%

Q.26) $\frac{20}{100+20} \times 100$
 $\frac{20}{120} \times 100 = 16.67$
 16.67

Q.27) $3+2=5$
 $\frac{3}{5} \times 100 = 60$
 60

Q.28) $\frac{50}{100} \times 100$
 50%
 25

Q.29) $30 = 3000$
 $100 = x$
 $1000 = 3000 \times 100$
 12%
 $10,000$

Q.30) $\frac{30}{70} \times 100$
 42.86%

Q.31) 100
 150
 75
 25%

Q.32) $\frac{20}{20+100} \times 100$
 $\frac{20}{120} \times 100$
 16.67

Q.33) $35\% = 90$
 $60\% = x$
 $\frac{60 \times 90}{135}$
180

Q.38) $CP = 500$
 $SP = 100 = 400$

Q.39) 150
 $\frac{110}{99}$
14

Q.34) $25 = 5000$
 $100 = x$
 100×20
 $\frac{25 \times 51}{20,000}$

Q.40) $40 = 220$
 $100 = x$
 $\frac{55}{110} \times 220$
 $\frac{40}{21}$
550

Q.35) $\frac{20}{20+100} \times 100$
16.67

Q.41) $45\% = 18000$
 $100\% = x$
 $\frac{4500}{4000} \times 18000$
 $\frac{240}{1}$
45000

Q.36) 100
 120
 $\frac{108}{89}$

Q.42) 100
 130
 $\frac{91}{94}$

Q.37) $CP = 100$
 $MP = 125$
 $SP = 125 - 25 = 100$
 $P = SP - CP = 0$

Q.43) $10,000$ 12100
 11000 $+1210$
 $12,100$ 12310
13,310

Q.44) $3A = 209B$
 $3A:4B$

$\frac{A}{B} = \frac{4}{3} = 4:3$

Q.45) $CP = 800$
 $P = 25\%$
 $SP = CP + P$
 $= 800 + 25$
 $= \frac{800 + 25}{100}$
 $= 800 + 200$
 $= \textcircled{1000}$

Q.46) $CP = 200$
 $SP = 250$
 $MP = \frac{SP - CP}{CP} \times 100$
 $= \frac{250 - 200}{200} \times 100$
 $= \textcircled{25}$

Q.47) $SP = 720$
 $P\% = 20\%$
 $CP = \frac{SP}{1 + P\%}$
 $= \frac{720}{1 + \frac{20}{100}}$
 $= \frac{720}{1.2}$
 $= \textcircled{600}$

Q.48) $CP = 500$
 $SP = \textcircled{425}$

Q.49) $CP = 1500$
 $SP = \textcircled{1350}$

Q.50) $CP = 100$
 $MP = 130$
 $SP = \textcircled{117}$
 $\text{Profit} = \frac{SP - CP}{CP} \times 100$
 $= \frac{117 - 100}{100} \times 100$
 $= \textcircled{17}$