## chapte-12Profit and loss Exercise-12.1

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Solution -ol:-
   (i) we have, cost price = Rs 1200,
        Selling Price = RS 1350.
        Profit | Loss = 9.
      clearly S.P>c.P. so, there will be Profit
     given by
        Profit = S.P-C.P
               = RS 1350 - RS 1200
               = RS,150
    (ii) we have,
      cost price = RS 1270
       selling price = RS-1850
     clearly S.P. C.P so, there will be 1055.
   given by
           1066 = C.P-6.P
                = 1270-1250 = RS 20.
  (iii) we have,
       cost price = RS 780.
       Selling Price = 9
         Profit = 85 55 50
                          [ Pft = S.P-C.P]
       Profit = S.p. c.p
         Profit = S.P-C.P
             C-P = 720+55 50 = 775 50
    (IV) we have,
         C P = 7.
          5 P = R51254.
           LOSS = RS 32
         LOSS = C . P - S . P
           C . P = 5.P + LOSS
                             [2]
           C-P = 1254 +32
           C . P = ESI & 86
 Solution-02:-
(1) are have,
     C.P = RS 1265
      S.P = RS 1853
      LOSS = C-P-S-P
             = RS 12 65 - +RS 1853
             = RS 12.
 (ii) we have.
     C. P = R 5 ...
     S.P = RS 450
     Profit = RS 150
      profit = s.p-c.P
        150 = 6 P - C.P
```

C.P = 450-150

C.P=RS..... G.P = RS R390 LOSS = RS 6.50 LOSS = C.P-S.P

C.P = Loss ts.P

= 5.5+2390

Sus

= 2395 5

C.P = 2395 5

Solution -03:-

is we have,

S.P = RS 5,000

clearly, S.P. C.P. So there will be Profit

Percentage is given by

baptif = e.b-c.b

Profit = RS 5,000 - RS 4,560

= R5 440

Profit 1. = Profit X100

= 44¢ ×100

= 9.65%

(ii) we have

C.P = RS 2600, S.P = 2470

clearly, s.P Z c.P, so there will be loss; is

given by

Loss = c P-s P

= R600-2470 = Rs.130

LOSS 7. = 1055 ×100 = 130 ×100 = 5%

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Solution - 3:-
(iii) we have.
   C.P = RS 332 , S.P = 350
  Here s. P. c. P, so there will be Profit y.
    Profit = s-p-c.p
      Profit+&c.p=s.p
        Profit = 350-332 = Rs.18.
     Brotif " = bootif
                C.P X100
                = 18
332 X100
               = 5.427.
 (v) we have
     c P = RS 1500 , S P = RS15 00
     Here, profit = s.p-c.p C : c.p=s.p]
                   = 1500 - c-P
                    = 1500-1500
                     = 0
       Profit 1/2 = a.
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4.011) S. P = RS 1820

gain = RS 420

$$C \cdot P = S \cdot P - 9ain$$

= 1820 - 420

= 1400

9ain % =  $\frac{420}{1400} \times 100$ 

= 30%

solution-6;

we have,

grain merchant sold = 600 quintay

Profit % = 7 4.

quintal rice cost = Rs250

C.P = 600x quintal rice cost + RS 1000

= 600×250 +RS1000

= 150000 + RS1,000

= 1,51,000.

: Selling Price = 1,51,000 + 10,570 = 1,61,570

Solution-07:

cost price for 4 dozen Pencils = Rs10 80 x4

selling price = 9. FR43.20

Selling pric e=48x80paise

[4 dozen =4x12 =48]

= RS 3840

LOGS = C.P-8-P [C.P>S-P]

= 43-20-38-40

= 4.8

1055 11 = 4.8 43.20 ×100

Solution - os:

we have

oranges buys at 26 per dozen

cost Price one orange = 26

[ dozen=12]

cost price for soranges = 26

selling price for 5 oranges = RS-13.

Gain = S.p. - c.p [S.p > c.p]

$$= -\frac{86 \times 5}{12} + 13$$

Gainy = Gain x 100

solution-09:-

we have.

Purchased amount = 3,65,000

Repaired Price = 125,000

cost price = purchased price + Repair

= 3,65,000+1,35,000

= 5,00,000

selling price = 5,50,000.

Gain = S.P-c. P [S.P>c.P]

= 5,50,000-5,00,000

= 10./.

Solution - 12:-

we have,

cost price for one banana = 135 50.

= 132.

[ .. No of bornanas sold = Total -

cost price for 45 bananos = 135x45]

= 24.3

solution-13:-

cost price = No of dozen eggs y dozen

= 50x6.4

= RS 320

sellins price = Total no of esssest defective eggs cost

= 50x12x55 paise - 20x55 paise

E : 1 dozen =12 eggs7

$$S.P = RS \frac{690 \times 55}{100} - \frac{80 \times 55}{100}$$

$$[...] Paise$$

= 330-11

= 319

C.P > S.P

Solution-14:

we have.

400 eggs cost price = 7.

1 dozen eggs - 8.40.

400 dozen eggs -> 2

=12 < 955]

Let 400 eggs cost Price gay 1x

= RS.280.

cost price for one egg =  $\frac{8.40}{12}$ 

=. 70 paise.

cost price for 100 eggs = 100x 70 paise

= RS 70.

selling price for 100 eggs = 70+10.5= RS80.5