4) Old Cycle Price (C.P) = ₹162

Repeare Cost = ₹18 = ₹162+18

= CP = 180

= Selling Price = ₹207

= Profit = ₹207 - ₹180

₹27

Profit % = $\frac{₹27}{180} \times 100$ = 15%

5) C.P of Article = ₹4,800

C.P of Transportations etc = ₹ 12..

Total C.P = 4800 + 1200 = ₹6000

S.P of Article = ₹5,820

loss = ₹6000 - 5820 = 0180 = ₹180

% = $\frac{180}{6000} \times 100 = \frac{180}{60} = 3\%$

6) SP = Rs 621

loss % = 9%

$$C.P = \frac{100}{100 - 10\text{loss}\%} \times S.P$$

C.P = ₹ 700

C.P = ₹ 700 and Profit % = 5%

$$S.P = \frac{100 + 5}{100} \times 700 = \frac{105}{100} \times 700$$

S.P = 735

7) S.P = ₹ 605

Gain = 10%

$$C.P = \left(\frac{100}{100} + 10\%\right) \times S.P$$

$$C.P = \left(\frac{110}{100} + 10\right) \times 605 = 550$$

Gain = 16%

$$S.P = \frac{(100 + \text{gain}\%)}{100} \times C.P$$

$$= \left(\frac{100 + 16}{100}\right) \times 2550 = \frac{116}{100} \times 550$$

= 2638