Aptitude Assignment 6 Quel A does 415th of work in 315 times compared to B work completed by A&B A+B = 12 A + B = 121 day work = 1 (A+8) hence $(A \times \frac{3}{5}) / (\frac{4}{5}) = B \times 1$ A:B = 4:3 They complete work in 12 days Total work = (4+3) x x 12 Time token by A = 84x = 21 days

Que 2 Soin 1M, 3W, 4c - 96hr 1M + 4c + 3W = 96hr - - (1)2 m + 8c = 80hr . - (2) 2M+3W=120hr . (3) Then 10M + 5W = P Efficiency = W 96 hr Pohr 120hrs 480 LCM 2M+8C=6 -> 1M+4C=3 . (4) 1M + 4C + 3W = 5=) (3) + 3W = 5 $W = \frac{2}{3}$ 2M + 3W = 42M + 2 = 42m = 2 $M=1 \qquad . \qquad (6)$ F_{YOM} (5) & (6) IOM * 5W = (IOXI) + (5X 2)

10M + 5W = 40 Work completed 480 = 36hrs 4013 Que 3 Let No. of seats x & price of each No of seats increased by 25% - 1.25%
price of each ticket increased by

10% = 0.90 y Total Revenue = 1.25x x 0.904 = 1.125 xy increased Revenue = 1.125 xy - xy = 0.125 xy 1. increase = (0.125xy) / xy x100 12.5%

Que 4 Soln. 1600 soldiers - 60 days Each soldier consume - 900 grmslday After 40 days - 400 soldiers left Total amount of food consumed by - 1600 × 900 = 1,440,000 gm so total amount consumed in 60 days is = 1,440,000 x 60 = 86,400,000 Now after 40 days 400 soldiers left = 1600 - 400 = 1200 Food consumed by 1200 soldiers = 1200 x 1000 = 12,00,000 Required No. of days = 12,00,000 1200 = 10 days

Que 5 Let the CP of bicycle = x

old SP of bicycle = x x 110%.

Now new CP = x x 90%. & new SP = x x 90%. x 125%. difference bet new SP & old SP = 66 x x 90'1. x 125'1. - x x 110'1. = 60 2 = 60000 x = 2400 Rs