

**Illustration 5 :** Riya, Dilip and Kirtan are partners of a partnership firm. The share of Kirtan is  $\frac{1}{5}$ th of share of Dilip and share of Riya is double of share of Kirtan. Determine the amount of profit of each partner, if the profit of the firm at the end of the year was ₹ 1,92,000.

**Ans. :** Assume : Dilip's share of profit ₹ 1.

Share of Kirtan is  $\frac{1}{5}$  of Dilip means  $\frac{1}{5}$  of 1 =  $\frac{1}{5}$ . While share of Riya is double of the share of Kirtan, double of  $\frac{1}{5}$  i.e.  $\frac{1}{5} \times \frac{2}{1} = \frac{2}{5}$ .

∴ Share of Riya  $\frac{2}{5}$ , Dilip  $\frac{1}{5}$  and Kirtan  $\frac{1}{5}$ .

Thus, proportion of distribution of profit between partners :

Riya : Dilip : Kirtan

2 : 5 : 1

The distribution of profit will be as follows :

Profit of Riya	= 1,92,000 × $\frac{2}{8}$	=	₹ 48,000
Profit of Dilip	= 1,92,000 × $\frac{5}{8}$	=	₹ 1,20,000
Profit of Kirtan	= 1,92,000 × $\frac{1}{8}$	=	₹ 24,000

*D = 100 R = 20 K = 20*  
*R : D : K = 100 : 20 : 20 = 5 : 1 : 1*

**Illustration 6 :** Milin, Hemant and Rasik have distributed profit of the firm of ₹ 1,89,000 in equal proportion, instead of distributing it in 1:2:4 proportion. To rectify this mistake what treatment will be given to the capital account ?