

Ex: 91 |  $[G_1, G_2, G_3, G_4]$  &  $[B_1, B_2, B_3, B_4, B_5, B_6, B_7]$

No. of team members to be selected = 05

to be selected

No. of ways to select one girl =  ${}^4C_1$

or one boy =  ${}^7C_1$

3 people from =  ${}^9C_3$

arranging

$\therefore$  Team containing at least 1B & 1G =  ${}^4C_1 \times {}^7C_1 \times {}^9C_3$

$$= 4 \times 7 \times \frac{9 \times 8 \times 7}{3 \times 2}$$

$$= 9352$$