

NCERT/CBSE MATHEMATICS CLASS 11 textbook

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MISCELLANEOUS EXERCISES

Answers to NCERT/CBSE MATH (Class XI) textbook

7. PERMUTATIONS AND COMBINATIONS

10. From a class of 25 students, 10 are to be chosen for an excursion party. There are 3 students who decide that either all of them will join or none of them will join. In how many ways can the excursion party be chosen ?

Case I : All the three specific students do not go , then out of the 22 students 10 have to be selected

OR

Case II: All the three specific students go , then out of the 22 students 7 more have to be selected

So , the number of ways = ${}^{22}C_{10} + {}^{22}C_7$

Please do not copy the answer given here

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