

PERMUTATIONS AND COMBINATIONS - Class XI

Related Questions with Solutions

Questions

Question: 01

Sanjeev has 7 friends. In how many ways can he invite one or more of them to dinner.

Solutions

Solution: 01

7C_r is the number of ways of inviting r friends to the dinner.

So, total number of ways is equal to,

$$\begin{aligned} {}^7C_1 + {}^7C_2 + {}^7C_3 \dots {}^7C_7 &= 2^7 - 1 \\ &= 127 \end{aligned}$$

Correct Options

Answer:01

Correct Answer: 127