

PART 1 - MATHEMATICS

Topic : Permutations and combinations

SECTION-B : (Maximum Marks : 8)

This section contains **TWO** questions.

The answer to each question is a **NON-NEGATIVE INTEGER**.

For each question, enter the correct integer corresponding to the answer in the place designated to enter the answer.

Answer to each question will be evaluated according to the following marking scheme :

Full Marks : +4 If ONLY the correct answer is entered;

Zero Marks : 0 In all other cases.

1. The number of ways to distribute 10 identical red pens and 14 identical blue pens among four persons such that each person gets 6 pens, is _____.

[JEE Advanced 2026 Paper 1]

Scan or tap for the
full solution



2. A group of 9 students, $s_1, s_2, \dots, s_9$, is to be divided to form three teams X, Y, and Z of sizes 2, 3, and 4, respectively. Suppose that s_1 cannot be selected for the team X, and s_2 cannot be selected for the team Y. Then the number of ways to form such teams, is _____.

[JEE Advanced 2024 Paper 1]

Scan or tap for the
full solution



Space for Rough Work

JEE ADVANCED PERMUTATIONS AND COMBINATIONS — DISTRIBUTION PROBLEMS AND NUMBER OF DIVISORS (JEE) — PYQS

Test Pattern : **JEE (Advanced)**

ANSWER KEY

SECTION-B

[illegible]