

PART 1 - CHEMISTRY

Topic : Coordination compounds

SECTION-B : (Maximum Marks : 4)

This section contains **ONE** question.

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. Consider that the coordinating atoms of the ligands in $\text{cis}[\text{Co}(\text{NH}_3)_4\text{Cl}_2]\text{Cl}$ and $\text{mer}[\text{Co}(\text{NH}_3)_3\text{Cl}_3]$ octahedral complexes are at the vertices of an octahedron. The sum of total number of the triangular faces in both the complexes having one N atom and two Cl atoms at their corners is ____.

[JEE Advanced 2026 Paper 2]

Scan or tap for the
full solution



Space for Rough Work

JEE ADVANCED COORDINATION COMPOUNDS — GEOMETRY OF OCTAHEDRAL COMPLEXES — PYQS

Test Pattern : **JEE (Advanced)**

ANSWER KEY

[illegible]