

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

SECTION-B

[illegible]