

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. Among the following complexes, the total number of diamagnetic species is ____.

$[\text{Mn}(\text{NH}_3)_6]^{3+}$, $[\text{MnCl}_6]^{3-}$, $[\text{FeF}_6]^{3-}$, $[\text{CoF}_6]^{3-}$, $[\text{Fe}(\text{NH}_3)_6]^{3+}$, and $[\text{Co}(\text{en})_3]^{3+}$

[Given, atomic number: Mn = 25, Fe = 26, Co = 27; en = $\text{H}_2\text{NCH}_2\text{CH}_2\text{NH}_2$]

[JEE Advanced 2024 Paper 1]

Scan or tap for the
full solution



Space for Rough Work

JEE ADVANCED COORDINATION COMPOUNDS — MAGNETIC BEHAVIOUR BY CFT — PYQS

Test Pattern : **JEE (Advanced)**

ANSWER KEY

SECTION-B

[illegible]