

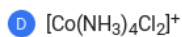
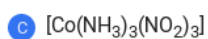
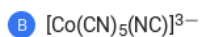
Previous Year JEE Problems with Solutions

Problem 1:

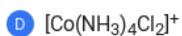
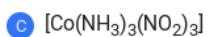
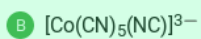
1 JEE Main 2021 (Online) 26th August Evening Shift

MCQ (Single Correct Answer)

Indicate the complex/complex ion which did not show any geometrical isomerism :



Solution:



Explanation

(a) $[\text{CoCl}_2(\text{en})_2]$ show Cis-trans isomerism

(b) $[\text{Co}(\text{CN})_5(\text{NC})]^{3-}$ can't show G.I.

(3) $[\text{Co}(\text{NH}_3)_3(\text{NO}_2)_3]$ show fac & mer isomerism

(d) $[\text{Co}(\text{NH}_3)_4\text{Cl}_2]^+$ show cis & trans isomerism