

## CUET 2025 Chemistry Memory based Question Paper

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**1. Arrange the following in decreasing order of number of molecules contained in:**

- (A) 16 g of  $O_2$
  - (B) 16 g of  $CO_2$
  - (C) 16 g of  $CO$
  - (D) 16 g of  $H_2$
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**2. Which of the following compounds will be repelled when placed in an external magnetic field?**

- (A)  $FeCl_3$
  - (B)  $FeSO_4$
  - (C)  $NaCl$
  - (D)  $CuSO_4$
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**3. The total number of ions produced from the complex  $[Cr(NH_3)_6]Cl_3$  in aqueous solution will be?**

- (A) 3
  - (B) 6
  - (C) 9
  - (D) 12
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**4. The gold number range of some of the lyophilic colloids is given below:**

**A:** 0.005 - 0.01,    **B:** 0.15 - 0.25,    **C:** 0.04 - 1.0,    **D:** 15 - 25.

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**5. The oxidation number of Co in complex  $[Co(H_2NCH_2CH_2NH_2)_3]_2(SO_4)_3$  is?**

- (A) +2
- (B) +3

(C) +1

(D) +4

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