

# **VIDYAPEETH**

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## **JEE MAINS PAPER DISCUSSION**

# **2025**

**Session - 1  
24 Jan 2025, SHIFT - 01**

**Memory Based Discussion**



# INORGANIC CHEMISTRY

**[p-Block Elements - Medium]**

The large difference in melting point and boiling point of oxygen and Sulphur is due to

- (A) atomic size
- (B) atomicity
- (C) electron gain enthalpy
- (D) electronegativity

**[d & f-Block Elements - Easy]**

Which of the following is the strongest oxidizing agent?

- (A)  $\text{Sm}^{2+}$       (B)  $\text{Eu}^{2+}$       (C)  $\text{Ce}^{4+}$       (D)  $\text{Yb}^{2+}$

**[Chemical Bonding - Easy]**

Correct order of dipole moment:-

- (A)  $\text{NH}_3 > \text{H}_2\text{O} > \text{CH}_4$
- (B)  $\text{NH}_3 > \text{CH}_4 > \text{H}_2\text{O}$
- (C)  $\text{H}_2\text{O} > \text{NH}_3 > \text{CH}_4$
- (D)  $\text{CH}_4 > \text{NH}_3 > \text{H}_2\text{O}$



A yellow rectangular banner with a thin black border is angled across the center. Inside, the words "Thank you!" are written in a large, white, cursive font. The banner is surrounded by stylized green leaves and small yellow flowers.

Thank  
you!



A large, stylized yellow cursive banner is angled across the bottom. It contains the words "Future IITians" in a yellow font. The banner is surrounded by green leaves and small yellow flowers.

Future IITians