

JEE MAIN REDOX REACTIONS — TYPES OF REDOX REACTIONS — PYQS
Max. Marks: 8
Questions: 2
Section A (MCQ) — 2 questions
Q.1 Given below are two statements :

Statement-I: Oxidising power of halogens decreases in the order $F_2 > Cl_2 > Br_2 > I_2$, which is the basis of "Layer test".

Statement-II: "Layer test" to identify Br_2 and I_2 in aqueous solution involves the oxidation of bromide or iodide into Br_2 or I_2 respectively with Cl_2 , which is a type of displacement redox reaction.

In the light of the above statements, choose the correct answer from the options given below :

[JEE Main 2026 (Online) 2nd April Morning Shift]

- (1) Both Statement-I and Statement-II are true
- (2) Both Statement-I and Statement-II are false
- (3) Statement-I is true but Statement-II is false
- (4) Statement-I is false but Statement-II is true

Scan or tap for the
full solution


Q.2 Match the **List-I** with **List-II**

List-I (Redox Reaction)	
A.	$CH_{4(g)} + 2O_{2(g)} \xrightarrow{\Delta} CO_{2(g)} + 2H_2O_{(l)}$
B.	$2NaH_{(s)} \xrightarrow{\Delta} 2Na_{(s)} + H_{2(g)}$
C.	$V_2O_{5(s)} + 5Ca_{(s)} \xrightarrow{\Delta} 2V_{(s)} + 5CaO_{(s)}$
D.	$2H_2O_{2(aq)} \xrightarrow{\Delta} 2H_2O_{(l)} + O_{2(g)}$

List-II (Type of Redox Reaction)	
I.	Disproportionation reaction
II.	Combination reaction
III.	Decomposition reaction
IV.	Displacement reaction

Choose the correct answer from the options given below:

[JEE Main 2025 (Online) 28th January Morning Shift]

- (1) A-III, B-IV, C-I, D-II (2) A-IV, B-I, C-II, D-III
- (3) A-II, B-III, C-I, D-IV (4) A-II, B-III, C-IV, D-I

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ANSWER KEY

Ques.	1	2												
Ans.	1	4												