

JEE MAIN P-BLOCK ELEMENTS (GROUP 15–18) — GROUP 16 ELEMENTS (OXYGEN FAMILY) — PYQS

Max. Marks: 12

Questions: 3

Section A (MCQ) — 3 questions

Q.1 Given below are two statements :

Statement-I: The covalency of oxygen is generally two but it can exceed upto four. The oxidation state of oxygen in SO_2 is -2 and in OF_2 it is $+2$.

Statement-II: The anomalous behaviour of oxygen when compared to the other elements of group 16 is due to its small size and high electronegativity.

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

[JEE Main 2026 (Online) 4th 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 Given below are two statements:

Statement-I: H_2Se is more acidic than H_2Te

Statement-II: H_2Se has higher bond enthalpy for dissociation than H_2Te

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

[JEE Main 2025 (Online) 8th April Evening Shift]

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

Scan or tap for the full solution



Q.3 The nature of oxide (TeO_2) and hydride (TeH_2) formed by Te, respectively are:

[JEE Main 2025 (Online) 2nd April Evening Shift]

- (1) Reducing and basic (2) Reducing and acidic
- (3) Oxidising and acidic (4) Oxidising and basic

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2	3								
Ans.	1	4	3								