

PART 1 - CHEMISTRY

Topic : p-Block elements (group 15–18)

SECTION–1 : (Maximum Marks : 4)

- This section contains **ONE** question.
- Each question has **FOUR** options (A), (B), (C) and (D). **ONE OR MORE THAN ONE** of these four option(s) is(are) correct answer(s).
- For each question, choose the option(s) corresponding to (all) the correct answer(s).
- Answer to each question will be evaluated according to the following marking scheme :
Full Marks : +4 ONLY if (all) the correct option(s) is(are) chosen;
Partial Marks : +3 If all the four options are correct but ONLY three options are chosen;
Partial Marks : +2 If three or more options are correct but ONLY two options are chosen, both of which are correct;
Partial Marks : +1 If two or more options are correct but ONLY one option is chosen and it is a correct option;
Zero Marks : 0 If none of the options is chosen (i.e. the question is unanswered);
Negative Marks : -2 In all other cases.
- For example, in a question, if **(A), (B) and (D)** are the ONLY three options corresponding to correct answers, then choosing ONLY (A), (B) and (D) will get +4 marks; choosing ONLY (A) and (B) will get +2 marks; choosing ONLY (A) and (D) will get +2 marks; choosing ONLY (B) and (D) will get +2 marks; choosing ONLY (A) will get +1 mark; choosing ONLY (B) will get +1 mark; choosing ONLY (D) will get +1 mark; choosing no option (i.e. the question is unanswered) will get 0 marks; and choosing any other combination of options will get -2 marks.

1. Reaction of PtF_6 with oxygen (O_2) gas results in the formation of an ionic compound, X^+Y^- . Correct statement(s) is(are) [JEE Advanced 2026 Paper 1]
- (A) The bond order of X^+ is 1.5.
(B) Valence d-orbitals of the metal ion in X^+Y^- has 5 electrons.
(C) PtF_6 acts as an oxidant in this reaction.
(D) PtF_6 acts as a fluorinating agent in this reaction.

Scan or tap for the full solution



Space for Rough Work

JEE ADVANCED P-BLOCK ELEMENTS (GROUP 15–18) —
DIOXYGENYL HEXAFLUOROPLATINATE — PYQS

Test Pattern : JEE (Advanced)

ANSWER KEY

SECTION-1																										
Ques.	1																									
Ans.	B, C																									