

PART 1 - CHEMISTRY

Topic : Chemical bonding and molecular structure

SECTION-A : (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 : -1 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 -1 marks.

1. The option(s) in which at least three molecules follow Octet Rule is(are)

[JEE Advanced 2024 Paper 1]

(A) CO_2 , C_2H_4 , NO and HCl

(B) NO_2 , O_3 , HCl and H_2SO_4

(C) BCl_3 , NO, NO_2 and H_2SO_4

(D) CO_2 , BCl_3 , O_3 and C_2H_4

Scan or tap for the
full solution



Space for Rough Work

**JEE ADVANCED CHEMICAL BONDING AND
MOLECULAR STRUCTURE — OCTET RULE AND ITS
EXCEPTIONS — PYQS**

Test Pattern : **JEE (Advanced)**

ANSWER KEY

SECTION-A

[illegible]