

NEET CHEMICAL BONDING AND MOLECULAR STRUCTURE — FORMAL CHARGE AND RESONANCE — PYQS

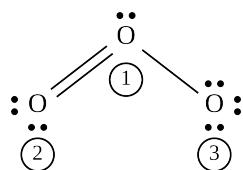
Max. Marks: 12

Questions: 3

Section A (MCQ) — 3 questions

- Q.1** The correct formal charges on oxygen atoms numbered 2, 1 and 3 respectively are :

[NEET (UG) 2026]



- (1) 0, 0, 0 (2) -1, 0, +1
(3) +1, 0, -1 (4) 0, +1, -1

Scan or tap for the full solution



- Q.2** Identify the correct answer. [NEET (UG) 2024]

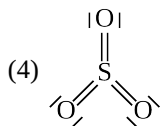
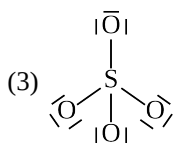
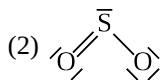
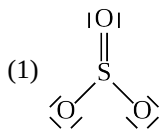
- (1) Three resonance structures can be drawn for ozone
(2) BF_3 has non-zero dipole moment
(3) Dipole moment of NF_3 is greater than that of NH_3
(4) Three canonical forms can be drawn for CO_3^{2-} ion

Scan or tap for the full solution



- Q.3** Which of the following structures is the most preferred and hence of lowest energy for SO_3 ?

[AIPMT 2011 (Mains)]



Scan or tap for the full solution



ANSWER KEY

Ques.	1	2	3										
Ans.	4	4	4										