

NEET CHEMICAL BONDING AND MOLECULAR STRUCTURE — π -BONDING, $p\pi-p\pi$ AND $d\pi-p\pi$ BONDING — PYQS

Max. Marks: 16
Questions: 4

Section A (MCQ) — 4 questions

Q.1 Which one of the following molecules contains no π bond? [NEET 2013]

- (1) SO_2 (2) NO_2 (3) CO_2 (4) H_2O

Scan or tap for the
full solution



Q.2 Which one of the following statements is not correct for sigma- and pi- bonds formed between two carbon atoms? [AIPMT 2003]

- (1) sigma-bond is stronger than a pi-bond.
- (2) Bond energies of sigma- and pi-bonds are of the order of 264 kJ/mol and 347 kJ/mol, respectively
- (3) Free rotation of atoms about a sigma-bond is allowed but not in case of a pi-bond.
- (4) Sigma-bond determines the direction between carbon atoms but a pi-bond has no primary effect in this regard.

Scan or tap for the
full solution



Q.3 Which of the following has $p\pi - d\pi$ bonding?

[AIPMT 2002]

- (1) NO_3^- (2) SO_3^{2-} (3) BO_3^{3-} (4) CO_3^{2-}

Scan or tap for the
full solution



Q.4 $d\pi - p\pi$ bond present in

[AIPMT 2000]

- (1) CO_3^{2-} (2) PO_4^{3-} (3) NO_3^- (4) NO_2^-

Scan or tap for the
full solution



ANSWER KEY

Ques.	1	2	3	4							
Ans.	4	2	2	2							