

PYQSide

NEET CHEMICAL BONDING AND MOLECULAR STRUCTURE — HYDROGEN BONDING AND VAN DER WAALS FORCES — PYQS

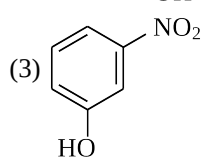
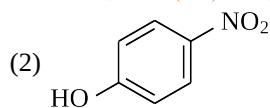
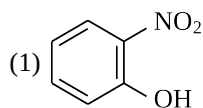
Max. Marks: 20

Questions: 5

Section A (MCQ)

Q.1 Intramolecular hydrogen bonding is present in

[NEET (UG) 2024]



(4) HF

Scan or tap for the
full solution



Q.2 Which one of the following compounds shows the presence of intramolecular hydrogen bond?

[NEET 2016 (Phase 2)]

- (1) H_2O_2
- (2) HCN
- (3) Cellulose
- (4) Concentrated acetic acid

Scan or tap for the
full solution



Q.3 What is the dominant intermolecular force or bond that must be overcome in converting liquid CH_3OH to a gas?

[AIPMT 2009]

- (1) Dipole-dipole interaction
- (2) Covalent bonds
- (3) London dispersion force
- (4) Hydrogen bonding

Scan or tap for the
full solution



Q.4 In $\text{X}-\text{H}\cdots\text{Y}$, X and Y both are electronegative elements. Then

[AIPMT 2001]

- (1) electron density on X will increase and on H will decrease
- (2) in both electron density will increase
- (3) in both electron density will decrease
- (4) on X electron density will decrease and on H will increase.

Scan or tap for the
full solution



Q.5 Which compound forms linear polymer due to H-bond?

[AIPMT 2000]

- (1) H_2O (2) NH_3 (3) HF (4) HCl

Scan or tap for the
full solution



ANSWER KEY

Ques.	1	2	3	4	5						
Ans.	1	3	4	1	3						