

PYQSide

NEET ORGANIC CHEMISTRY – SOME BASIC PRINCIPLES AND TECHNIQUES — SUBSTRATE AND REAGENT, NUCLEOPHILES AND ELECTROPHILES — PYQS

Max. Marks: 16

Questions: 4

Section A (MCQ)

Q.1 The correct statement regarding electrophile is

[NEET 2017]

- (1) electrophile is a negatively charged species and form a bond by accepting a pair of electrons from another electrophile
- (2) electrophiles are generally neutral species and can form a bond by accepting a pair of electrons from a nucleophile
- (3) electrophile can be either neutral or positively charged species and can form a bond by accepting a pair of electrons from a nucleophile
- (4) electrophile is a negatively charged species and can form a bond by accepting a pair of electrons from a nucleophile.

Scan or tap for the full solution



Q.2 Which of the following statements is not correct for a nucleophile?

[AIPMT 2015]

- (1) Ammonia is a nucleophile.
- (2) Nucleophiles attack low e^- density sites.
- (3) Nucleophiles are not electron seeking.
- (4) Nucleophile is a Lewis acid.

Scan or tap for the full solution



Q.3 Which of the following species is not electrophilic in nature?

[AIPMT 2010 (Mains)]

- (1) $\overset{\oplus}{\text{Cl}}$ (2) BH_3 (3) $\text{H}_3\overset{\oplus}{\text{O}}$ (4) $\text{NO}_2^{\oplus}$

Scan or tap for the full solution



Q.4 For (i) I^- , (ii) Cl^- , (iii) Br^- , the increasing order of nucleophilicity would be

[AIPMT 2007]

- (1) $\text{Cl}^- < \text{Br}^- < \text{I}^-$ (2) $\text{I}^- < \text{Cl}^- < \text{Br}^-$
 (3) $\text{Br}^- < \text{Cl}^- < \text{I}^-$ (4) $\text{I}^- < \text{Br}^- < \text{Cl}^-$

Scan or tap for the full solution



ANSWER KEY

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