

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

Max. Marks: 16

Questions: 4

Section A (MCQ) — 4 questions

- 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) $\overset{\oplus}{\text{NO}}_2$

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										