

PYQSide

NEET HYDROCARBONS — PHYSICAL PROPERTIES OF ALKANES — PYQS

Max. Marks: 8

Questions: 2

Section A (MCQ)

Q.1 Given below are two statements:

Statement-I: The boiling point of three isomeric pentanes follows the order

n -pentane > isopentane > neopentane

Statement-II: When branching increases, the molecule attains a shape of sphere. This results in smaller surface area for contact, due to which the intermolecular forces between the spherical molecules are weak, thereby lowering the boiling point.

In the light of the above statements, choose the most appropriate answer from the options given below:

[NEET (UG) 2024]

- (1) Both Statement-I and Statement-II are correct
- (2) Both Statement-I and Statement-II are incorrect
- (3) Statement-I is correct but Statement-II is incorrect
- (4) Statement-I is incorrect but Statement-II is correct

Scan or tap for the full solution



Q.2 The decreasing order of boiling points of the following alkanes is :

- | | |
|-------------------|--------------------|
| A. heptane | B. butane |
| C. 2-methylbutane | D. 2-methylpropane |
| E. hexane | |

Choose the correct answer from the options given below :

[NEET (UG) 2022 (Phase 2)]

- | | |
|-------------------------|-------------------------|
| (1) $A > E > C > B > D$ | (2) $A > C > E > D > B$ |
| (3) $C > D > A > E > B$ | (4) $A > E > B > C > D$ |

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2									
Ans.	1	1									