

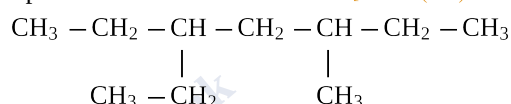
NEET ORGANIC CHEMISTRY – SOME BASIC PRINCIPLES AND TECHNIQUES — IUPAC NOMENCLATURE OF HYDROCARBONS — PYQS

Max. Marks: 32

Questions: 8

Section A (MCQ) — 8 questions

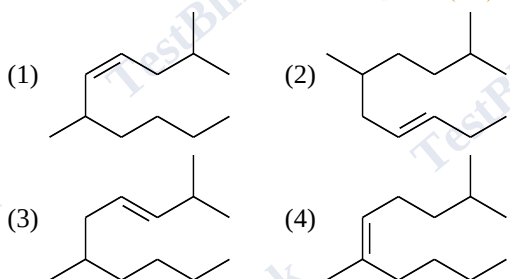
Q.1 The correct IUPAC name of the following compound is : [NEET (UG) 2026]



- (1) 3-ethyl-5-methylheptane
- (2) 3-methyl-5-ethylheptane
- (3) 2,4-diethylhexane
- (4) 3,5-diethylhexane

 Scan or tap for the
full solution


Q.2 The correct structure of 2, 6-dimethyl-dec-4-ene is [NEET (UG) 2021]

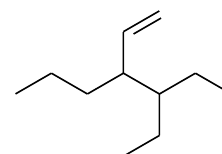

 Scan or tap for the
full solution


Q.3 The structure of isobutyl group in an organic compound is [NEET 2013]

- (1) $\text{CH}_3 - \text{CH}_2 - \text{CH}_2 - \text{CH}_2 -$
- (2) $\begin{array}{c} \text{CH}_3 \\ | \\ \text{CH}_3 - \text{C} - \\ | \\ \text{CH}_3 \end{array}$
- (3) $\begin{array}{c} \text{CH}_3 \\ \diagup \\ \text{CH}_3 \end{array} \text{CH} - \text{CH}_2 -$
- (4) $\begin{array}{c} \text{CH}_3 \\ | \\ \text{CH}_3 - \text{CH} - \text{CH}_2 - \text{CH}_3 \end{array}$

 Scan or tap for the
full solution


Q.4 The correct IUPAC name for the compound is [AIPMT 2011 (Prelims)]



- (1) 4-ethyl-3-propylhex-1-ene
- (2) 3-ethyl-4-ethenylheptane
- (3) 3-ethyl-4-propylhex-5-ene
- (4) 3-(1-ethylpropyl)hex-1-ene

 Scan or tap for the
full solution


Q.5 The IUPAC name of the compound $\text{CH}_3\text{CH}=\text{CHC}\equiv\text{CH}$ is [AIPMT 2010 (Mains)]

- (1) pent-4-yn-2-ene
- (2) pent-3-en-1-yne
- (3) pent-2-en-4-yne
- (4) pent-1-yn-3-ene

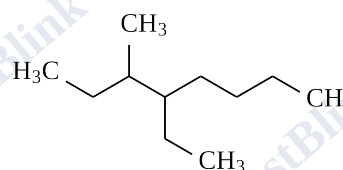
 Scan or tap for the
full solution


Q.6 The IUPAC name of the compound having the formula $\text{CH}\equiv\text{C} - \text{CH}=\text{CH}_2$ is [AIPMT 2009]

- (1) 1-butyne-3-ene
- (2) but-1-yne-3-ene
- (3) but-1-en-3-yne
- (4) 3-butene-1-yne.

 Scan or tap for the
full solution

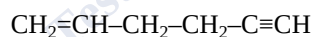

Q.7 Name of the compound given below is [AIPMT 2003]



- (1) 4-ethyl-3-methyloctane
- (2) 3-methyl-4-ethyloctane
- (3) 2,3-diethylheptane
- (4) 5-ethyl-6-methyloctane

 Scan or tap for the
full solution


Q.8 IUPAC name of the following is



[AIPMT 2002]

- (1) 1-hexyne-5-ene (2) 1,5-hexenyne
(3) 1-hexene-5-yne (4) 1,5-hexynene

Scan or tap for the
full solution



ANSWER KEY

Ques.	1	2	3	4	5	6	7	8			
Ans.	1	1	3	1	2	3	1	3			