

JEE MAIN ORGANIC CHEMISTRY – SOME BASIC PRINCIPLES AND TECHNIQUES — IUPAC NOMENCLATURE OF COMPOUNDS WITH FUNCTIONAL GROUPS — PYQS

Max. Marks: 20
Questions: 5

Section A (MCQ) — 5 questions

Q.1 In IUPAC nomenclature, the correct order of decreasing priority of functional group is :

[JEE Main 2026 (Online) 2nd April Morning Shift]

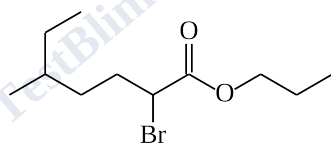
- (1) $-\text{CONH}_2$, $> \text{C}=\text{O}$, $-\text{CHO}$, $-\text{NH}_2$, $-\text{C}\equiv\text{C}-$
- (2) $-\text{CONH}_2$, $-\text{COOCH}_3$, $-\text{CHO}$, $-\text{NH}_2$, $-\text{OH}$
- (3) $-\text{CONH}_2$, $-\text{CHO}$, $> \text{C}=\text{O}$, $-\text{NH}_2$, $-\text{C}\equiv\text{C}-$
- (4) $-\text{CONH}_2$, $-\text{CHO}$, $-\text{CN}$, $-\text{NH}_2$, $-\text{C}\equiv\text{C}-$

Scan or tap for the full solution



Q.2 The IUPAC name of the following compound is :

[JEE Main 2026 (Online) 22nd January Evening Shift]



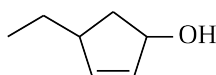
- (1) 2-bromo-5-methylhexylpropanoate
- (2) n-propyl-1-bromo-4-methylhexanoate
- (3) n-propyl-2-bromo-5-methylheptanoate
- (4) 2-bromo-5-methylpropanoate

Scan or tap for the full solution



Q.3 What is the correct IUPAC name of the compound?

[JEE Main 2025 (Online) 8th April Evening Shift]



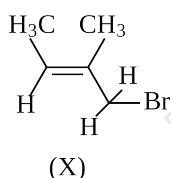
- (1) 1-Ethylcyclopent-2-en-3-ol
- (2) 4-Ethylcyclopent-2-en-1-ol
- (3) 1-Ethyl-3-hydroxycyclopent-2-ene
- (4) 4-Ethyl-1-hydroxycyclopent-2-ene

Scan or tap for the full solution



Q.4 Which of the following is the correct IUPAC name of given organic compound (X)?

[JEE Main 2025 (Online) 7th April Morning Shift]

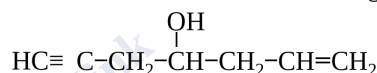


- (1) 4-Bromo-3-methylbut-2-ene
- (2) 1-Bromo-2-methylbut-2-ene
- (3) 3-Bromo-3-methylprop-2-ene
- (4) 2-Bromo-2-methylbut-2-ene

Scan or tap for the full solution



Q.5 The IUPAC name of the following compound is:



[JEE Main 2025 (Online) 4th April Evening Shift]

- (1) 4-Hydroxyhept-6-en-1-yne
- (2) Hept-1-en-6-yn-4-ol
- (3) Hept-6-en-1-yn-4-ol
- (4) 4-Hydroxyhept-1-en-6-yne

Scan or tap for the full solution



ANSWER KEY

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