



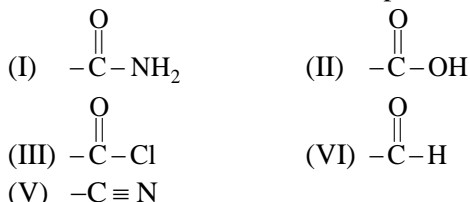
NSEC 11th 2026

ORGANIC CHEMISTRY

DPP-05

IUPAC Nomenclature

1. In IUPAC nomenclature of compounds



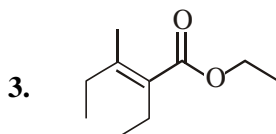
Correct priority order of group is:

- (A) I > II > III > IV > V
 (B) II > III > I > V > IV
 (C) II > I > III > IV > V
 (D) I > III > II > V > IV

2. The IUPAC name of $\text{HO}-\text{CH}-\text{COOH}$ is:



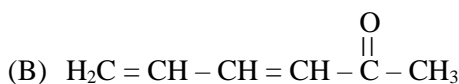
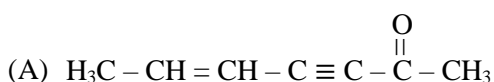
- (A) 2, 3-Dihydroxybutane-1, 4-carboxylic acid
 (B) 2, 3-Dihydroxybutane-1, 4-dioic acid
 (C) 1, 2-Dihydroxyethane dicarboxylic acid
 (D) None of these



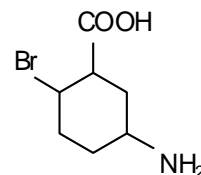
Correct IUPAC name is:

- (A) 2-Methyl-2-pentyl propanoate
 (B) 1-Ethoxy-2-ethyl-3-methyl-but-2-en-1-al
 (C) Ethyl-2-ethyl-3-methylpent-2-en-1-oate
 (D) Ethyl-2,3-diethylbut-2-en-oate

4. The correct structure for the compound Hept-3-en-5-yne -2-one is:

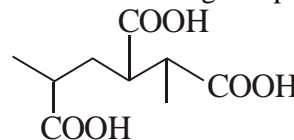


5. The correct IUPAC name of compound is:



- (A) 3-Amino-6-bromocyclohexane-1-carboxylic acid
 (B) 2-Bromo-5-aminocyclohexane-1-carboxylic acid
 (C) 5-Amino-2-bromocyclohexane-1-carboxylic acid
 (D) 4-Bromo-5-carboxycyclohexanamine

6. IUPAC name of following compound is:

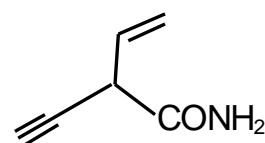


- (A) 3,5-Dicarboxy-2-methyl hexanoic acid
 (B) Hexane-2,4,5-tricarboxylic acid
 (C) Hexane-2,3,5-tricarboxylic acid
 (D) 2-(1-Hydroxycarbonyl)-4-methylhexane-1,6-dionic acid

7. IUPAC name of is:

- (A) 5-ethenylcyclopenta-1,3-diene
 (B) 3-ethenylcyclopenta-1,4-diene
 (C) 1-ethenylcyclopenta-2,4-diene
 (D) 2-ethenylcyclopenta-1,3-diene

8. The IUPAC name of the following compound is

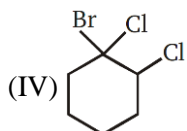
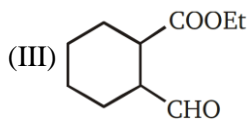
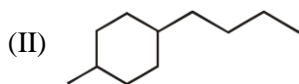
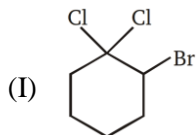


- (A) 3-Aminocarbonylpent-1-en-4-yne
 (B) 2-Ethenylbut-3-yn-1-amide
 (C) 2-Ethynylbut-3-en-1-amide
 (D) 3-Aminocarbonylpent-4-en-1-yne



9. Match the column:

Column-I

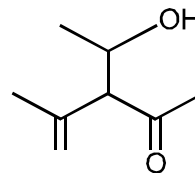


Column-II

- (p) 1-Butyl-4-methyl cyclohexane
 (q) 2-Bromo-1,1-dichloro cyclohexane
 (r) 1-Bromo-1,2-dichloro cyclohexane
 (s) Ethyl-2-formyl cyclohexane carboxylate

- (A) I-(q); II-(p); III-(s); IV-(r)
 (B) I-(p); II-(q); III-(s); IV-(r)
 (C) I-(p); II-(q); III-(r); IV-(s)
 (D) I-(q); II-(p); III-(r); IV-(s)

10. The correct IUPAC name of the compound is :



- (A) 3-(1-Methylethenyl)-4-hydroxypentan-2-one
 (B) 3-(1-Hydroxyethyl)-4-methylpent-4-en-2-one
 (C) 3-(1-Hydroxymethyl)-4-methylenepentan-2-one
 (D) 3-(1-Oxoethyl)-4-methylpent-4-en-2-ol.



Answer Key

- | | | | |
|----|-----|-----|-----|
| 1. | (B) | 6. | (C) |
| 2. | (B) | 7. | (A) |
| 3. | (C) | 8. | (C) |
| 4. | (D) | 9. | (A) |
| 5. | (C) | 10. | (B) |

