



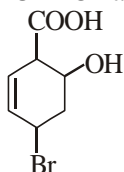
NSEC 11th 2026

ORGANIC CHEMISTRY

DPP-06

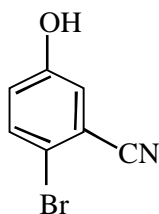
IUPAC Nomenclature

1. What is correct IUPAC name of



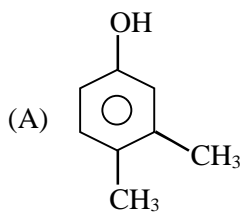
- (A) 4-Bromo-2-hydroxycyclohex-5-ene-1-oic acid
 (B) 4-Bromo-2-hydroxycyclohex-5-ene-1-carboxylic acid
 (C) 4-Bromo-6-hydroxycyclohex-2-ene-1-carboxylic acid
 (D) 4-Bromo-6-hydroxycyclohex-2-ene-1-oic acid

2. The IUPAC name of the following compound is:

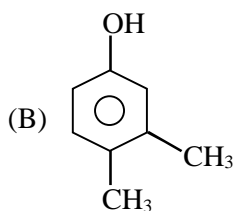


- (A) 4-Bromo-3-cyanophenol
 (B) 2-Bromo-5-hydroxybenzonitrile
 (C) 2-Cyano-4-hydroxybromobenzene
 (D) 6-Bromo-3-hydroxybenzonitrile

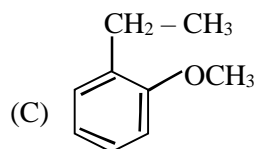
3. Which of the following is correct IUPAC name:



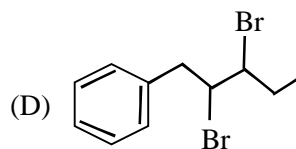
3,4-Dimethylphenol.



4-Hydroxy-2-methyl toluene.

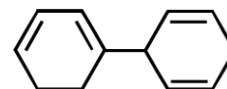


1-Ethyl-2-anisole.



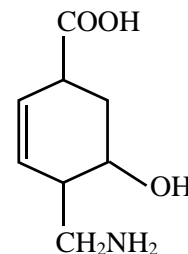
1-(2,3-Dibromopentyl) benzene.

4. IUPAC name of the following compound is

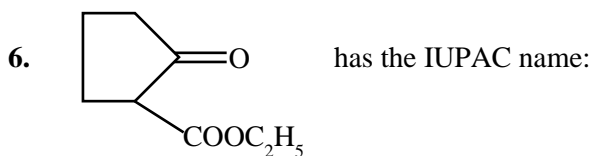


- (A) 3-(Cyclohexa-1,3-dienyl)cyclohexa-1,4-diene
 (B) 4-(Cyclohexa-2,5-dienyl)cyclohexa-1,3-diene
 (C) 2-(Cyclohexa-1,3-dienyl)cyclohexa-1,3-diene
 (D) 1-(Cyclohexa-2,5-dienyl)cyclohexa-1,3-diene

5. The correct IUPAC name of following compound is

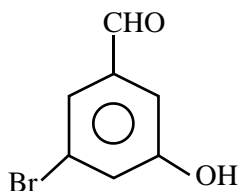


- (A) 4-Aminomethyl-3-hydroxycyclohex-5-ene-1-carboxylic acid
 (B) 2-Aminomethyl-5-carboxycyclohex-3-en-1-ol
 (C) 4-Aminomethyl-5-hydroxycyclohex-2-ene-1-carboxylic acid
 (D) 3-Hydroxy-4-aminomethylcyclohex-5-en-1-oic acid

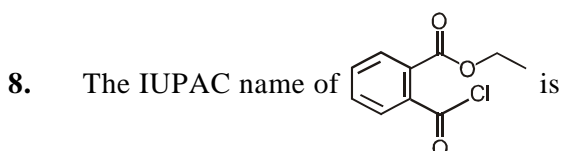


- (A) Ethyl-2-oxo cyclopentane carboxylate
 (B) 2-Cyclopentanone-1-carbethoxy
 (C) 2-Ethylcarbonate cyclopentanone
 (D) 1-Keto-2-carbethoxy cyclo Pentanone

7. The IUPAC name of the following compound is:

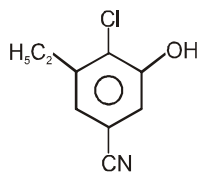


- (A) 5-Bromo-3-hydroxybenzenecarbaldehyde
 (B) 3-Bromo-5-formylphenol
 (C) 3-Bromo-5-hydroxybenzaldehyde
 (D) 1-Bromo-3-formyl-5-hydroxy Benzene



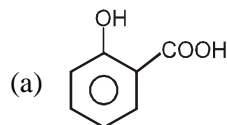
- (A) 2-Chlorocarbonyl ethyl benzoate
 (B) 2-Carboxyethylbenzoylchloride
 (C) Ethyl-2-(chlorocarbonyl) benzoate
 (D) Ethyl-1-(chlorocarbonyl) benzoate

9. The IUPAC name of the following compound is:

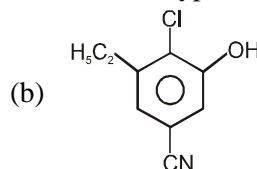


- (A) 3-Ethyl-4-chloro-5-hydroxybenzenecarbonitrile
 (B) 1-Ethyl-2-chloro-3-hydroxybenzenecarbonitrile
 (C) 5-Ethyl-4-chloro-3-hydroxybenzenecarbonitrile
 (D) 3-Ethyl-5-chloro-4-hydroxybenzenecarbonitrile

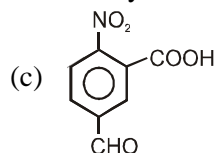
10. The no. of compound with correct IUPAC name is/are:



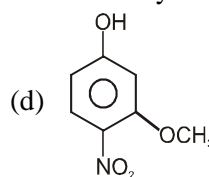
2-Carboxyphenol



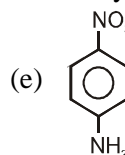
3-Ethyl-4-chloro-5-hydroxybenzenecarbonitrile



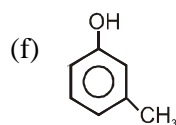
3-Formyl-5-nitrobenzenecarboxylic acid



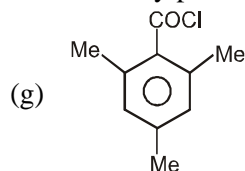
1-Hydroxy-3-methoxy-4-nitrobenzene



4-Amino-1-nitrobenzene



3-Methylphenol



2,4,6-Trimethylbenzenecarbonylchloride



Answer Key

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

