

1. NOMENCLATURE & COMMON NAME

1. The compound which has one isopropyl group is:

- (1) 2,2,3,3-Tetramethyl pentane (2) 2,2-Dimethyl pentane
(3) 2,2,3-Trimethyl pentane (4) 2-Methyl pentane

2. The IUPAC name of  CH = CH - CH(CH₃)CH₂CH₃ is:

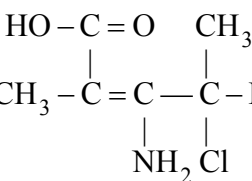
- (1) 1-Cyclohexyl-3-methyl pent-1-ene (2) 3-Methyl-5-cyclohexyl pent-1-ene
(3) 1-Cyclohexyl-3-ethyl but-1-ene (4) 1-Cyclohexyl-3,4-dimethyl but-1-ene

3. The IUPAC name of the following structure is [CH₃CH(CH₃)]₂ C(CH₂CH₃)C(CH₃) C(CH₂CH₃)₂

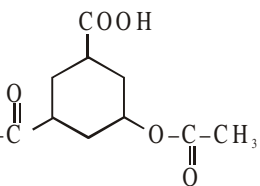
- (1) 3,5-Diethyl-4,6-dimethyl-5-(1-methylethyl) hept-3-ene
(2) 3,5-Diethyl-5-isopropyl-4,6-dimethylhept-2-ene
(3) 3,5-Diethyl-5-propyl-4,6-dimethylhept-3-ene
(4) None of these

4. The IUPAC name of β-ethoxy-α-hydroxy propionic acid (trivial name) is:

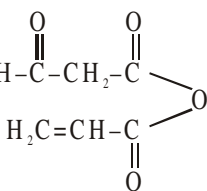
- (1) 1,2-Dihydroxy-1-oxo-3-ethoxy propane (2) 1-Carboxy-2-ethoxy ethanol
(3) 3-Ethoxy-2-hydroxy propanoic acid (4) All above

5. The IUPAC name of compound  is :

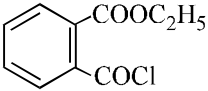
- (1) 2-Amino-3-chloro-2-methylpent-2-enoic acid (2) 3-Amino-4-chloro-2-methylpent-2-enoic acid
(3) 4-Amino-3-chloro-2-methylpent-2-enoic acid (4) All of the above

6. The IUPAC name of compound 

- (1) 3-Carbonyl methoxy -5- Ethanoyl oxy cyclohexanoic acid
(2) 3-Ethanoyl oxy -5- Methoxy carbonyl cyclohexane carboxylic acid
(3) 5-Ethanoyl oxy -5- Methoxy carbonyl cyclohexanoic acid
(4) 3-Methoxy carbonyl -5- Ethanoyl oxy cyclohexane carboxylic acid

7. The IUPAC name of 

- (1) 2-Formyl ethanoic propanoic Anhydride (2) Ethanoic prop-2-enoic Anhydride
(3) Prop-2-enoic-2-formyl propanoic Anhydride (4) 2-Oxopropanoic prop-2-enoic Anhydride

8. The IUPAC name of  is :
- (1) 2-Chlorocarbonyl ethylbenzoate (2) 2-Carboxyethyl benzoyl chloride
 (3) Ethyl-2-(chlorocarbonyl)benzoate (4) Ethyl-1-(chlorocarbonyl)benzoate
9. Structural formula of isopropyl methanoate is :
- (1) $\text{CH}_3 - \underset{\text{O}}{\underset{\parallel}{\text{C}}} - \text{O} - \underset{\text{CH}_3}{\underset{|}{\text{CH}}} - \text{CH}_3$ (2) $\text{H} - \underset{\text{O}}{\underset{\parallel}{\text{C}}} - \text{O} - \text{CH}_2 - \underset{\text{CH}_3}{\underset{|}{\text{CH}}} - \text{CH}_3$
 (3) $\text{CH}_3 - \underset{\text{O}}{\underset{\parallel}{\text{C}}} - \text{O} - \text{CH}_2 - \underset{\text{CH}_3}{\underset{|}{\text{CH}_2}}$ (4) $\text{H} - \underset{\text{O}}{\underset{\parallel}{\text{C}}} - \text{O} - \underset{\text{CH}_3}{\underset{|}{\text{CH}}} - \text{CH}_3$
10. Which of the following pairs have absence of carbocyclic ring in both compounds?
- (1) Pyridine, Benzene (2) Benzene, Cyclohexane
 (3) Cyclohexane, Furane (4) Furane, Pyridine

ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10	
Ans.	4	1	1	3	2	2	4	3	4	4	