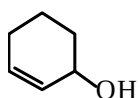


1. The IUPAC name of  is -

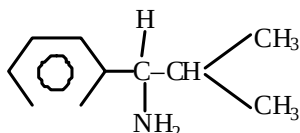
(A) 3-hydroxycyclohexene

(B) cyclohexen-3-ol

(C) 2-cyclohexenol

(D) 2-ene-cyclohexan-1-ol

2. The IUPAC name of the compound is :



(A) 1-amino-1-phenyl-2-methyl propane

(B) 1-amino-2-methyl-1-phenyl propane

(C) 2-methyl-1-amino-1-phenyl propane

(D) 1-isopropyl-1-phenyl methyl amine

3. The IUPAC name of $\text{BrCH}_2\text{---CH---CO---CH}_2\text{---CH}_2\text{CH}_3$ is :



(A) 2-bromo methyl-3-oxo hexanamide

(B) 1-bromo-2-amido-3-oxo hexane

(C) 1-bromo-2-amido-*n*-propyl ketone

(D) 3-bromo-2-propionyl propanamide

4. The IUPAC name of $\text{CH}_3\text{---CH}_2\text{---CH---COOC}_2\text{H}_5$ is



(A) 2-ethyl-ethyl acetate

(B) ethyl 3-methyl butanoate

(C) ethyl 2-methyl butanoate

(D) 2-methyl butanoic acid ethylester

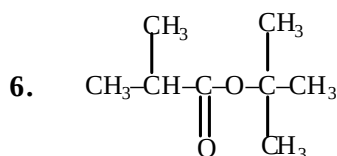
5. The IUPAC name of $\text{N} \equiv \text{C---CH}_2\text{---CH}_2\text{---OH}$ is;

(A) 1-hydroxy ethanenitrile

(B) 3-hydroxy propanenitrile

(C) 2-hydroxy ethyl cyanide

(D) 1-hydroxy-2-cyanoethane



The common name of given ester is -

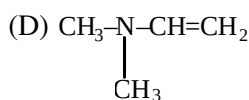
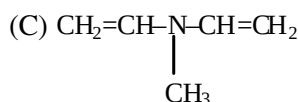
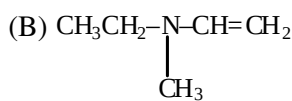
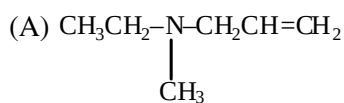
(A) neo butyl iso butyrate

(B) t-butyl n- butyrate

(C) t- butyl iso butyrate

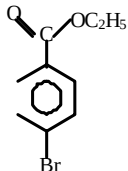
(D) iso butyl iso butyrate

7. Ethyl methyl vinyl amine has the structure -



8. Which of the following compound's prefix 'iso' is not correct –
 (A) Iso pentane (B) Iso Hexane (C) Iso butane (D) Iso octane

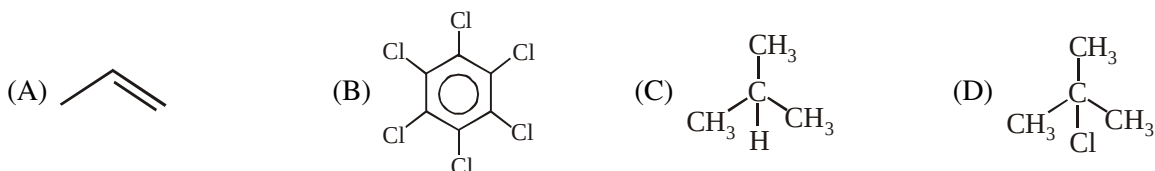
9. Give IUPAC name of the following :



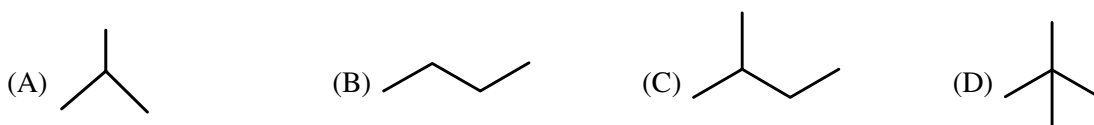
- (A) Ethyl-1-bromo 4-benzoate (B) Ethyl-4-bromobenzoate
 (C) Bromo benzoate (D) Bromo benzene ester
10. The IUPAC name of is -
 (A) 2-carboxyethylcyclohexanone (B) 3-(2-oxocyclohexyl) propanoic acid
 (C) cyclohexanone-2-propanoic acid (D) 2-propanoic cyclohexanone

11. The IUPAC name of $\text{CH}_3\text{CH}_2-\text{N}(\text{CH}_3)-\text{CH}_2\text{CH}_3$ is:

- (A) N-methyl-N-ethylethyl amine (B) diethyl methyl amine
 (C) N-ethyl-N-methyl ethan amine (D) methyl diethyl amine
12. Compound which can show position isomerism ?



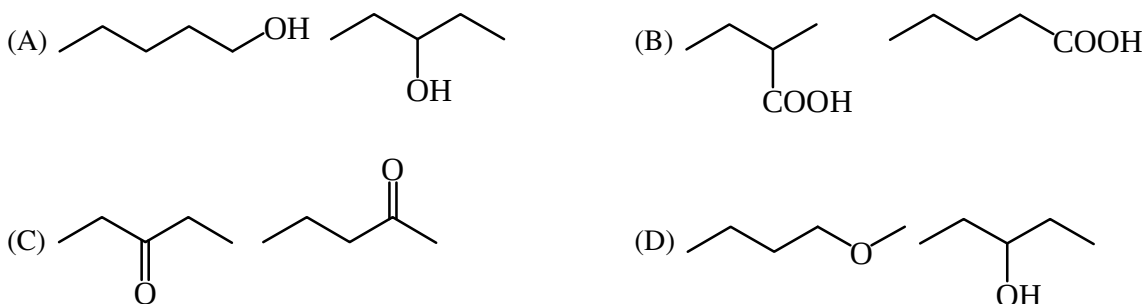
13. The structural isomers of isopentane is :-



14. How many cyclic structural (excluding bicyclo) isomers are possible from the molecular formula C_4H_6 ?

- (A) 2 (B) 3 (C) 4 (D) 5

15. Which of the following represent functional isomers ?



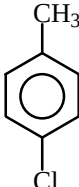
16. How many structural isomers are possible for molecular formula $C_4H_{10}O$?
 (A) 3 (B) 4 (C) 7 (D) 10

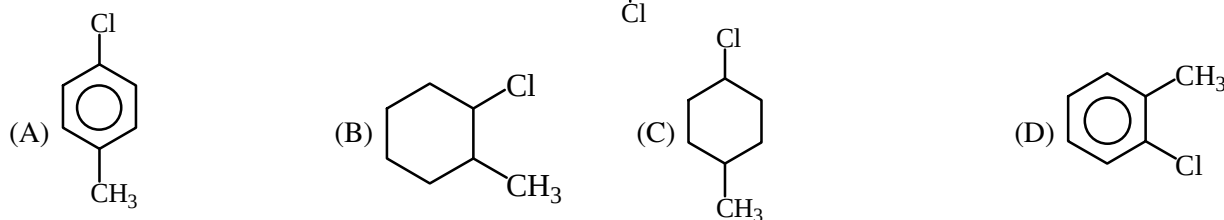
17. Which one of the following is a functional isomer of $CH_3-CH_2-CH_2-CH_2-NH_2$?



18. Which of the following represent metamer of $CH_3-CH_2-O-CH_2-CH_3$?



19. Which of the following is positional isomer of  ?



20. $CH_3-CH_2-CH_2-CHO$ & $CH_3-\underset{\substack{| \\ CHO}}{CH}-CH_3$ are



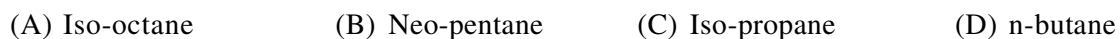
21. Number of structure isomer of molecular formula C_5H_{10} having one π -bond.



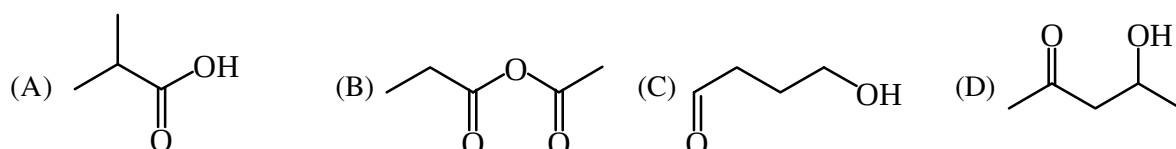
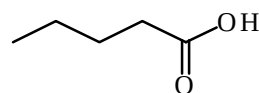
22. In which of the following, functional group isomerism is not possible ?



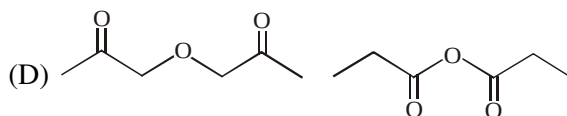
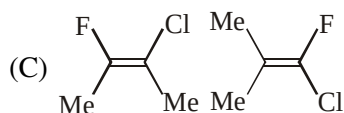
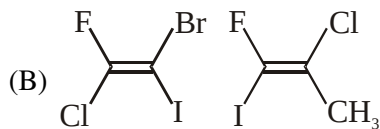
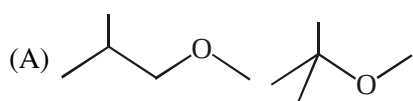
23. Which compound never exist ?



24. Compound which is functional isomer of :



25. Select pair of position isomers.



26. How many amines are possible with the molecular formula $C_4H_{11}N$ (structural isomers only) ?
 (A) 6 (B) 7 (C) 8 (D) 9
27. How many benzenoid isomers are possible for cresol ?
 (A) 3 (B) 4 (C) 5 (D) 6
28. How many benzenoid isomers are possible for $C_6H_3(Cl)(Br)(I)$?
 (A) 6 (B) 8 (C) 9 (D) 10
29. How many total structural isomers of 3° amines are possible with the molecular formula $C_6H_{15}N$?
 (A) 4 (B) 7 (C) 6 (D) 5
30. The total no. of carboxylic acids and esters having molecular formula $C_4H_8O_2$
 (A) 3 (B) 4 (C) 5 (D) 6
31. An isomer of ethanol is –
 (A) Methanol (B) Diethyl ether (C) Acetone (D) Dimethyl ether
32. What is the total no. of structural isomers with the formula C_3H_6O , that are cyclic
 (A) 3 (B) 4 (C) 6 (D) 7

RACE # 59

1. (C) 2. (B) 3. (A) 4. (C) 5. (B) 6. (C) 7. (B) 8. (D) 9. (B) 10. (B)
 11. (C) 12. (D) 13. (D) 14. (C) 15. (D) 16. (C) 17. (A) 18. (C) 19. (D) 20. (B)
 21. (C) 22. (C) 23. (C) 24. (D) 25. (A) 26. (C) 27. (C) 28. (D) 29. (B) 30. (D)
 31. (D) 32. (A)