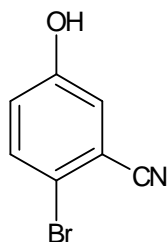
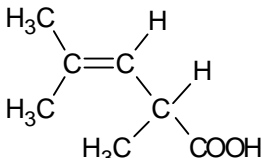


Single Correct Answer Type:

1. The IUPAC name of the following compound is



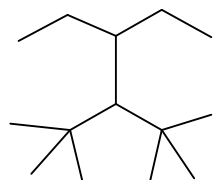
- (A) 4-bromo-3-cyanophenol (B) 2-bromo-5-hydroxybenzonitrile
(C) 2-cyano-4-hydroxybromobenze (D) 6-bromo-3-hydroxybenzonitrile
2. The number of isomers of C_6H_{14} is
(A) 4 (B) 5 (C) 6 (D) 7
3. The IUPAC name of the compound $CH_2 = CH - CH(CH_3)_2$ is
(A) 1,1 - dimethyl-2-butene (B) 3-methylbut-1-ene
(C) 2-vinyl propane (D) 2-methyl but-3-ene
4. Which of the following compounds will exhibits Cis-trans isomerism?
(A) but-2-ene (B) but-2-yne (C) butan-2-ol (D) butanol
5. The compound which is not isomeric with di ethyl ether is
(A) n-propyl methyl ether (B) bitan-1-ol
(C) 2-methyl propan-2-ol (D) butanone
6. Only two isomeric monochloro derivatives are possible for
(A) n-butane (B) 2,4-dimethyl pentane
(C) benzene (D) 2-methyl propane
7. The IUPAC name of the compound $C_2H_5 - \underset{\text{CH}_2}{\underset{\parallel}{C}} - CH_2OH$ is
(A) 2-hydroxy methyl butan-1-ol (B) 2-ethyl prop-2-en-1-ol
(C) 2-methylene butan-1-ol (D) 2-ethyl-3-hydroxyprop-1-ene
8. The correct IUPAC name of $H - \overset{O}{\parallel}{C} - CHO$ is
(A) Formal methanol (B) 1,2,-ethanedione
(C) 2-oxo ethanol (D) ethanedial
9. The IUPAC name of $(CH_3)_2CH - COOH$ is
(A) isobutanoic acid (B) 1-methyl propanoic acid
(C) 2-methyl propanoic acid (D) 2-methyl butanoic acid
10. IUPAC name of $CH_3 - \overset{Cl}{\underset{|}{CH}} - CH_2 - CHO$ is
(A) 2-chloro-4-butanol (B) 3-chlorobutane (C) 2-chloro-4-butanal (D) 3-chlorobutanal

11. n-propyl amine and isopropyl amine are
 (A) Chain isomers (B) Positional isomers
 (C) Tautomers (D) Metamers
12. The number of primary alcohols with formula " $C_4H_{10}O$ "
 (A) 1 (B) 2 (C) 3 (D) 4
13. The type of isomerism that is not found in alkene is
 (A) Chain isomerism (B) Geometrical isomerism
 (C) Position isomerism (D) Metamerism
14. The number of possible Amine isomers for C_3H_9N is
 (A) 4 (B) 3 (C) 5 (D) 7
15. The number of aromatic isomers for C_8H_{10} ?
 (A) 1 (B) 2 (C) 3 (D) 4
16. Which pair does not represent isomers?
 (A) CH_3COOH & $HCOOCH_3$
 (B) CH_3CHO & $CH_2 = CH - OH$
 (C) CH_3CH_2CHO & $CH_3 - \overset{O}{\parallel}C - CH_2 - CH_3$
 (D) $CH_3 - \underset{CH_3}{N} - CH_3$ & $CH_3CH_2CH_2NH_2$
17. How many cyclic isomers of C_5H_{10} are possible?
 (A) 4 (B) 3 (C) 6 (D) 5
18. Which of the following exhibits enantiomerism
 (A) n-butyl chloride (B) 3° butyl chloride
 (C) 2° butyl chloride (D) isobutyl chloride
19. The following compound can exhibit

 (A) Geometrical isomerism (B) Optical isomerism
 (C) Geometrical & optical isomerism (D) Tautomerism
20. The type of isomerism not possible with the molecular formula ' $C_4H_{10}O$ ' is
 (A) Chain (B) Optical (C) Functional group (D) Geometrical

Numerical Based:

21. How many chiral carbon atoms are present in 2,3,4-trichloro pentane?
22. How many of the following compounds representing the first member of their homologous series?
 CH_4 , C_2H_4 , CH_3COOH , CH_3CHO , CH_3COCH_3 , CH_3COOCH_3 , _____
23. How many of the following compounds can exhibit metamerism?
 $C_4H_{10}O$ (ether), C_4H_8 (alkene), $C_5H_{10}O$ (ketone), $C_4H_{11}N$ (amine), $C_4H_8O_2$ (ester), C_3H_8O (ether)

24.



How many primary carbons are present in this compound?

25. The number of esters possible from the molecular formula $C_5H_{10}O_2$ is?

KEY

1.	B	2.	B	3.	B	4.	A	5.	D
6.	D	7.	B	8.	D	9.	C	10.	D
11.	B	12.	B	13.	D	14.	A	15.	D
16.	C	17.	D	18.	C	19.	B	20.	D
21.	3	22.	3	23.	4	24.	8	25.	8