

7. Carbon and its Compounds

1. Very dilute solution of ethanoic acid ____.
2. When sodium metal is dropped in ethanol ____ gas will be released.
3. Soaps are the alkali salts of ____.
4. Number of single covalent bonds in ammonia are ____.
5. Sodium lauryl sulphate is an example of ____.
6. A sweet odour substance formed by the reaction of an alcohol and a carboxylic acid is ____.
7. The first member of homologous series among alkynes is ____.
8. Commercially available ethanol is known as ____.
9. The reactive part of the organic molecule is called its ____ group.
10. C_nH_{2n} is the general formula of ____.
11. Hydrocarbons having the general formula C_nH_{2n+2} are called ____.
12. Carbon compounds containing double bond and triple bonds are called ____.
13. Formula of Ethyl acetate ____.
14. ____ catalyst used in the hydrogenation of oils.
15. Nano tubes are discovered by which scientist ____.
16. General formula of Alkenes? ()
a) C_nH_{2n+2} b) C_nH_{2n} c) C_nH_{2n-2} d) C_nH_{2n+4}
17. Which is ester group? ()
a) -OH b) $\begin{array}{c} \text{O} \\ | \\ -\text{C}-\text{OR} \end{array}$ c) $-\text{NH}_2$ d) $\text{CH}_3-\text{O}-\text{CH}_3$
18. Which is a amine functional group? ()
a) $-\text{COOH}$ b) $\begin{array}{c} \text{O} \\ | \\ -\text{C}-\text{OR} \end{array}$ c) $-\text{NH}_2$ d) OH
19. Fats are ester of ____ ()
a) Fatty Acids b) Nutrients c) Vitamins d) None

20. Which of the following is Alkane? ()
 a) C_4H_{10} b) C_4H_8 c) C_4H_6 d) C_6H_6
21. Methane is the major constituent of _____ ()
 a) Petroleum Gas b) Coal Gas c) Water gas d) Biogas
22. First organic compound prepared in laboratory ()
 a) Ammonium Cyanate b) Urea c) Amide d) Imide
23. CH_4 structure _____. ()
 a) Tetrahedral b) Trigonal c) Planar d) Leviair
24. In allotropes of carbon which acts as a good conductor of electricity? ()
 a) Diamond b) Graphite c) Fullerenes d) None
25. In allotropes of 'C' which is hard material? ()
 a) Diamond b) Graphite c) Fullerenes d) None
26. In the Graphite two layers are separate by the distance of? ()
 a) 3.35\AA b) 3.00\AA c) 4.0\AA d) 5.0\AA
27. What is the bond angle of methane ()
 a) $104^\circ.36^1$ b) $109^\circ.28^1$ c) 120° d) 180°

Answers

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|---------------------|------------------------|----------------------------|
| 1) Vinegar | 2) Hydrogen | 3) Higher Fatty Acids |
| 4) Three | 5) Synthetic Detergent | 6) Ester |
| 7) C_2H_2 | 8) Rectified Spirit | 9) Functional |
| 10) Alkene | 11) Alkanes | 12) Un-Saturated Compounds |
| 13) $CH_3COOC_2H_5$ | 14) Nickel | 15) Sumio Lijima |
| 16) b | 17) b | 18) c |
| 19) a | 20) a | 21) d |
| 22) b | 23) a | 24) b |
| 25) a | 26) a | 27) b |