

## ECAT Chemistry Chapter 18 Fundamental Principles of Organic Chemistry Online Test

Sr	Questions	Answers Choice
1	The bond angle between hydrogen atoms and carbon in alkane is	A. 104.5° B. 107.5° C. 109.5° D. 120.5°
2	Which of the following posses linear geometry	A. Alkane B. Alkene C. Alkyne D. Benzene
3	Coal heated in the absence of air of about 500 - 1000°C is converted to	A. Coke B. Coal gas C. Coal tar D. All above
4	Peat before conversion to bituminous coal is converted to	A. Lignite B. Anthracite C. Asphalt D. None
5	Coal is obtained from dead remains of	A. Plants B. Animals C. Both a and b D. None
6	Organic compounds are soluble in all except	A. Benzene B. Petroleum C. Ether D. Water
7	Rates of organic reactions are	A. Fast B. Very fast C. Slow D. Non-reactive
8	The self linking of carbon atoms is called	A. Chelation B. Isomerism C. Catenation D. None of the above
9	Organic compounds resemble to those of inorganic compounds having same	A. Ionic properties B. Carbon forming long chain or rings C. Chemical forces D. Isomerism
10	The essential component of organic compound is	A. O B. C C. P D. N
11	Wholer prepared urea from	A. Ammonia B. $\text{NH}_4\text{CNO}$ C. $\text{NH}_3$ D. Uric acid
12	Vital force theory was rejected by	A. Berzellius B. Kolbe C. Wholer D. Lavoiser
13	The rotation of two carbon atoms joined by double bond would happened only if	A. Pi bond is broken B. Sigma bond is broken C. Both bonds are broken D. None of above
14	Which of the following has linear shape?	A. SP B. $\text{SP}^2$ C. $\text{SP}^3$ D. $\text{SP}^3\text{d}$

		C. $sp^3$ D. None of the above
15	Hybridization explain the ----- of orbitals	A. Type of bonding B. Shapes C. Shape and type of bonding D. None of above
16	I-Chloropropane has two isomers, it is an example of	A. Chain isomerism B. Position isomerism C. Functional group isomerism D. Metamerism
17	The isomers due to the unequal distribution of carbon atoms on either side of the functional group belonging to the same homologous series are called	A. Functional isomers B. Position isomers C. Chain isomers D. Metamers
18	In which molecule carbon atom is $sp^2$ hybridized	A. $CH_4$ B. $C_2H_4$ C. $C_2H_2$ D. None of the above
19	When a carbon atom forms single bonds with other carbon atoms, these hybrid orbitals overlap with the orbitals of hydrogen to form four bonds which are	A. Three sigma and one $p$ B. Two sigma and two $p$ C. One sigma and three $p$ D. sigma
20	Question Image	A. 3 B. 4 C. 5 D. 2
21	The gasoline having octane No. 100 has _____	A. More knocking B. Less knocking C. No knocking D. Only knocking
22	Question Image	A. 1, 5-pentadiene B. Penta-1, 4-diene C. 1, 1-pentadiene D. 1, 4-pentene
23	Which structure shows a primary alcohol	
24	Question Image	A. 2, 2, 4-trimethylpentane B. 2, 4, 4-trimethylpentane C. 2, 4, 4-methyepentane D. 2, 2, 4-methylpentane
25	Question Image	A. 0 B. 1 C. 2 D. 3
26	Question Image	A. 1 B. 2 C. 3 D. 4
27	Question Image	A. Condensation B. Dehydration C. Dehydrogenation D. Hydrogenation
28	Which of these always applies to a nucleophile	A. It attacks a double bond B. It has a lone pair of electrons C. It is single atom D. It is negatively charged
29	Question Image	A. Addition Elimination B. Addition Reduction C. Elimination Reduction D. Substitution Elimination
30	Question Image	A. 0 1 B. 0 2 C. 1 1 D. 1 2