

## ECAT Chemistry Chapter 18 Fundamental Principles of Organic Chemistry

Sr	Questions	Answers Choice
1	Which set of hybrid orbitals has planar triangle shape?	A. $sp^3$ B. $sp$ C. $sp^2$ D. $dsp^2$
2	Which of the following contains single bonds	A. Benzene B. Alkyne C. Alkene D. Alkane
3	Coal is used to bake bricks in lime kiln:	A. 40% B. 60% C. 80% D. None of these
4	The self linking property of carbon is called as	A. Linking polymerization B. Addition C. Catenation D. Elimination
5	Replacement of hydrogen atom by $-SO_3H$ group in benzene is called	A. Nitration B. Alkylation C. Sulphonation D. Acylation
6	Ether show the phenomenon of :	A. Position isomerism B. Functional group isomerism C. Metamerism D. Cis-trans isomerism
7	The gasoline with high octane No. has _____	A. More knocking B. Less knocking C. No knocking D. Only knocking
8	Which reaction produces a free radical	A. SN reaction B. Homolytic fission reaction C. Heterolytic fission reaction D. Addition reaction
9	Which is not a nucleophile	A. Benzene B. Chlorine C. Ethene D. Ethanol
10	Cracking done at low pressure and with a catalyst is called _____ cracking	A. Thermal B. Catalytic C. Steam D. None of them
11	A double bond consists of:	A. Two sigma bonds B. One sigma and one pi bonds C. One sigma and two pi bonds D. Two pi bonds
12	n-butane and iso butane are an example of	A. Chain isomerism B. Positional isomerism C. Meta merism D. Functional group isomerism
13	Which of the following is not a hydrocarbon	A. Butane B. Methyl benzene C. Acetylene D. Glucose
14	The characteristic reactions of alkanes are	A. Addition reactions B. Substitution reactions C. Condensation reactions D. Polymerization reactions
15	Number of isomers of butane are:	A. One B. Two C. Three D. Four

16	Question Image	A. 0 1 B. 0 2 C. 1 1 D. 1 2
17	Catenation is a process in which carbon shows the properties of making	A. Multiple bonds B. Hybridization C. Long chains or rings of carbon atom D. Showing isomerism
18	The open chain organic compounds are called	A. Linear compounds B. Aromatic C. Aliphatic D. Both A and B
19	Question Image	A. Addition Elimination B. Addition Reduction C. Elimination Reduction D. Substitution Elimination
20	Cracking products are :	A. Only alkanes B. Only alkenes C. Alkanes and alkenes D. Alkynes