

## ECAT Chemistry Chapter 18 Fundamental Principles of Organic Chemistry

Sr	Questions	Answers Choice
1	Which is the chain isomer of n-pentane	A. Isopentane B. Neopentene C. N-pentene D. Isopentene
2	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
3	I-Chloropropane has two isomers, it is an example of	A. Chain isomerism B. Position isomerism C. Functional group isomerism D. Metamerism
4	Which one of the followings is a heterocyclic compound	A. Cyclohexanol B. Phenol C. Pyridine D. Anthracene
5	A nucleophile must	A. Be an atom B. A group of atoms C. Have a lone pair D. Be negatively charged
6	Question Image	A. 0 1 B. 0 2 C. 1 1 D. 1 2
7	Unsaturated hydrocarbon containing a double bond are called	A. paraffin B. Alkanes C. Olefins D. Acetylene
8	In $sp^2$ type hybridization the three equivalent $sp^2$ orbitals lie in the same plane and at angle of	A. $0^\circ$ B. $60^\circ$ C. $120^\circ$ D. $180^\circ$
9	Cracking products are :	A. Only alkanes B. Only alkenes C. Alkanes and alkenes D. Alkynes
10	The major components of coal gas are	A. Hydrogen and methane B. Ethane and carbon monoxide C. Nitrogen and ethane D. Ethane and carbon dioxide
11	Linear shape is associated with which set of hybrid orbitals	A. $sp$ B. $sp^2$ C. $sp^3$ D. $dsp^2$
12	The gasoline having octane No. 100 has _____	A. More knocking B. Less knocking C. No knocking D. Only knocking
13	Which structure shows a primary alcohol	
14	Vital force theory was rejected by	A. Berzelius B. Kolbe C. Wholer D. Lavoiser

15	In t-butyl alcohol, the tertiary carbon is bonded to:	A. Two hydrogen atom B. Three hydrogen atoms C. One hydrogen atoms D. No hydrogen atoms
16	A free radical reaction takes place in three steps, initiation, propagation and terminations. Which of the following expression represents a propagation step	
17	The gasoline with high octane No. has _____	A. More knocking B. Less knocking C. No knocking D. Only knocking
18	Question Image	A. 0 B. 1 C. 2 D. 3
19	The fractions obtained from fractional distillation of petroleum are placed in increasing order of their boiling points. Which order is correct	A. Natural gas, petroleum ether, gasoline kerosene B. Petroleum ether, kerosene, natural gas, petroleum ether C. Gasoline, kerosene, natural gas, petroleum ether D. Kerosene, gasoline, petroleum ether, natural gas
20	Which is not a nucleophile	A. Benzene B. Chlorine C. Ethene D. Ethanol