

ECAT Chemistry Chapter 18 Fundamental Principles of Organic Chemistry

Sr	Questions	Answers Choice
1	Coal is obtained from dead remains of	A. Plants B. Animals C. Both a and b D. None
2	The process in which orbitals of different energies and shapes mix up with each other to give equivalent is called,	A. Hybridization B. Polymerization C. Isomerisation D. Carbonization
3	Normal by product of cracking is	A. Ethane B. Butane C. Benzene D. All of them
4	Similarity in properties of different organic compounds give rise to the under standing of	A. Polymerization B. Non-polar nature C. Homologous series D. Isomerism
5	Gasoline is a mixture of hydrocarbons containing carbon atoms	A. 5 to 10 B. 5 to 8 C. 5 to 12 D. 5 to 11
6	The self linking of carbon atoms is called	A. Chelation B. Isomerism C. Catenation D. None of the above
7	The formula of ketone is	D. None of these
8	On passing ethane into concentrated sulphuric acid the intermediate compound formed on hydrolysis with boiling water gives	A. Methyl alcohol B. Ethyl alcohol C. Ethyl hydrogen sulphate D. Methyl hydrogen sulphate
9	Which is not a nucleophile	A. Benzene B. Chlorine C. Ethene D. Ethanol
10	Which of the following expressions show a heterolytic bond fission	
11	The compounds which have any atom other than Carbon atom, in rings are called as	A. Monocyclic B. Heterocyclic C. Homocyclic D. None of the above
12	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
13	Which reaction produces a free radical	A. SN reaction B. Homolytic fission reaction C. Heterolytic fission reaction D. Addition reaction
14	Self linkage of carbon to produce long chains	A. isomerism B. Polymorphism C. Polymerization D. Catenation
15	Wohler succeeded in obtaining, urea from	A. Cyanogen B. Ammonium cyanate C. Ammonium hydroxide D. None of these
16	Question Image	A. 1 B. 2 C. 3 D. 4

17 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

18 A double bond consists of
A. Two sigma bonds
B. One sigma and one Pi bond
C. One sigma and two Pi bonds
D. Two Pi bonds

19 The chemist who synthesized urea from ammonium cyanate was
A. Berzelius
B. Kolbe
C. Wholer
D. Lavoisier

20 Ether shows the phenomenon of
A. position isomerism
B. Chain isomerism
C. Metamerism
D. Cir-trans isomerism
