

ECAT Chemistry Chapter 18 Fundamental Principles of Organic Chemistry

Sr	Questions	Answers Choice
1	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
2	Alkanes normally have _____ hybridization	A. Sp B. Sp ² C. Sp ³ D. d sp ³
3	At present oil refineries in Pakistan are:	A. One B. Two C. Three D. Four
4	Benzene is an example of	A. Aromatic compound B. Cyclic compound C. Aliphatic compound D. A cyclic compound
5	Vital force theory was rejected by	A. Berzellius B. Kolbe C. Wholer D. Lavoiser
6	Question Image <input type="text"/>	A. 1 B. 2 C. 3 D. 4
7	Cracking normally gives smaller _____	A. Alkanes B. Alkenes C. Alkynes D. Both a and b
8	Compounds having the same molecular formula, but different functional groups show	A. Metamerism B. Position isomerism C. Chain isomerism D. Functional group isomerism
9	Linear shape is associated with which set of hybrid orbitals	A. sp B. sp ² C. sp ³ D. dsp ²
10	The state of hybridization of carbon atom in methane is	A. sp ³ B. sp ² C. sp D. dsp ²
11	The structure of benzene is	A. Hexagonal B. Pyramidal C. Square planer D. Tetrahedral
12	The branch of chemistry which deals with the study of compounds containing carbon as an essential elements is called	A. Physical B. Inorganic C. Nuclear D. Organic
13	The process in which one s and two p orbitals mix up with each other is called	A. Sp-hybridization B. Sp ² -hybridization C. Sp ³ -hybridization D. Dsp ² -hybridization
14	Question Image <input type="text"/>	A. Condensation B. Dehydration C. Dehydrogenation D. Hydrogenation
15	The fractions obtained from fractional distillation of petroleum are placed in increasing order	A. Natural gas, petroleum ether, gasoline kerosene B. Petroleum ether, kerosene, natural gas, petroleum ether

	or their boiling points. Which order is correct	C. Gasoline, kerosene, natural gas, petroleum ether D. Kerosene, gasoline, petroleum ether, natural gas
16	Which is not a nucleophile	A. Benzene B. Chlorine C. Ethene D. Ethanol
17	The self linking of carbon atoms is called	A. Chelation B. Isomerism C. Catenation D. None of the above
18	Hybridization explain the ----- of orbitals	A. Type of bonding B. Shapes C. Shape and type of bonding D. None of above
19	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
20	Geographical survey of Pakistan estimates about billion tons of coal in Pakistan:	A. 182 B. 183 C. 184 D. 185