ECAT Chemistry Chapter 18 Fundamental Principles of Organic Chemistry

Sr	Questions	Answers Choice
1	Compounds of carbon and hydrogen in which the tetra valency of carbon is fully satisfied are called,	A. Saturated B. Un-saturated C. Magnetic D. Para-magnetic
2	Question Image	A. 1 B. 2 C. 3 D. 4
3	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
4	The general formula for alkenes is	A. C_nH_{2n+1} B. C_nH_{2n+2} C. C_nH_{2n} D. C_nH_{2n-2}
5	Identify the compound formed, when ethylene combines with water in the presence of 10% sulphuric acid and $HgSO_4$as catalyst	A. Carbinol B. Methanol C. Ethanol D. Glycol
6	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
7	Question Image	A. Condensation B. Dehydration C. Dehydrogenation D. Hydrogenation
8	Select from the following the one which alcohol	
9	Which of the following is an aromatic compound	A. Propanol B. Cyclohexane C. Acetone D. Benezene
10	Which of the following gases is used for illuminating purpose?	A. Methane B. Ethane C. Propane D. Butane
11	In sp^2type hybridization the three equivalent sp^2orbitals lie in the same plane and at angle of	A. 0° B. 60° C. 120° D. 180°
12	Acetylene had a characteristic ethereal smell resembling that of	A. Ginger B. Vinegar C. Garlic D. Onion
13	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_i B. Two sigma and two P_i C. One sigma and three P_i D. sigma
14	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
15	The formula of esters is	
16	Which gasoline is better?	A. Of low boiling point B. Of low molecular mass C. Of high octane D. All of these
17	Sp^3 hybridization occurs when carbon is bound to	A. Four other atoms B. Three other atoms C. Two other atoms D. One other atoms
18	type of hybridization in CH≡CH is:	A. sp B. sp² C. sp³ D. dsp²
19	Number of isomers of butane are:	A. One B. Two C. Three D. Four
20	Which is a mixture of low boiling hydrocarbon	A. Natural gas B. Petroleum C. Wood D. Graphite