

## ECAT Chemistry Chapter 18 Fundamental Principles of Organic Chemistry

Sr	Questions	Answers Choice
1	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
2	Wohler succeeded in obtaining, urea from	A. Cyanogen B. Ammonium cyanate C. Ammonium hydroxide D. None of these
3	Identify the heterocyclic compound	A. Toluene B. Pyridine C. Butanoic acid D. Propenol
4	Which is a mixture of low boiling hydrocarbon	A. Natural gas B. Petroleum C. Wood D. Graphite
5	Products of coal is:	A. Peat B. Lignite C. Bituminous coal D. All above
6	A free radical reaction takes place in three steps, initiation, propagation and terminations. Which of the following expression represents a propagation step	
7	The open chain organic compounds are called	A. Linear compounds B. Aromatic C. Aliphatic D. Both A and B
8	Question Image <input style="width: 200px; height: 20px; border: 1px solid #ccc;" type="text"/>	A. Condensation B. Dehydration C. Dehydrogenation D. Hydrogenation
9	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
10	Functional group of ketones is:	A. ---CHO B. ---CO--- C. ---C <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">&gt;= N</span> D. ---COOH
11	Geographical survey of Pakistan estimates about billion tons of coal in Pakistan:	A. 182 B. 183 C. 184 D. 185
12	Linear shape is associated with set of hybrid orbitals?	A. sp B. sp <sup>2</sup> C. sp <sup>3</sup> D. dsp <sup>2</sup>
13	In a heterolytic bond fission reaction	A. A molecule of H <sub>2</sub> O is formed B. A molecule of H <sub>2</sub> O is eliminated C. A free radical is formed D. A positive and a negative ion is formed
14	Which gasoline is better?	A. Of low boiling point B. Of low molecular mass C. Of high octane D. All of these
		A. Aluminates B. Silicates C. Oxides D. Sulfates

15	The catalyst, which is used as specialist for cracking, are	<b>B. Aluminosilicates</b> C. Aluminium slats D. All can be used
16	Wohler synthesized first of all the organic compound:	A. Carbohydrates B. Urea C. Aniline <b>D. Toluene</b>
17	The use of tetra ethyl lead in petrol as an efficient antiknock agent is being discouraged. Which reason is correct	A. It is costly B. It damages the engine C. Pb is difficult to obtain in bulk quantities <b>D. The combustion product, lead, causes air pollutions</b>
18	Cracking normally gives smaller _____	<b>A. Alkanes</b> B. Alkenes C. Alkynes D. Both a and b
19	The functional group isomer of dimethylether is	<b>A. Ethyl alcohol</b> B. Propyl alcohol C. Diethyl ether D. Butyl alcohol
20	Tetraethyle lead causes disease:	A. Typhoid <b>B. Respiratory</b> C. Stomach D. Muscular