

ECAT Chemistry Chapter 18 Fundamental Principles of Organic Chemistry

Sr	Questions	Answers Choice
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1	Wholer prepared urea from	A. Ammonia B. NH ₄ CNO C. NH ₃ D. Uric acid
2	Identify the heterocyclic compound	A. Toluene B. Pyridine C. Butanoic acid D. Propenol
3	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
4	Quality of fuel is judged from its octane number. The best fuels are	A. Straight chain hydrocarbons B. Branched chain hydrocarbons C. Cyclic compounds D. Compounds containing benzene ring
5	The chemist who synthesized urea form ammonia cyanate was:	A. Berzelius B. Kolbe C. Wohler D. Lavoiser
6	Which of the following pair contains isomers of each other	A. Propanoic acid and propanone B. Acetone and acetaldehyde C. Ethyl alcohol and diethyl ether D. Methyl alcohol and dimethyl ether
7	The percentage of methane in natural gas is	A. 50% B. 60% C. 85% D. 90%
8	1-butene an 2-butene are an example of	A. Chian isomerism B. Positional isomerism C. Metamerism D. Functional group isomerism
9	Organic compounds generally react at rates	A. Slow B. Fast C. Moderate D. None of them
10	The functional group of acid amide is	
11	Acetylene had a characteristic ethereal smell resembling that of	A. Ginger B. Vinegar C. Garlic D. Onion
12	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 D. The combustion product, lead, causes air pollutions
13	Which of the following expressions show a heterolytic bond fission	
14	In ter-butyl alcohol, the tertiary carbon is bonded to	A. Two hydrogen atoms B. Three hydrogen atoms C. One hydrogen atoms D. No hydrogen atom
15	n-butane and iso butane are an example of	A. Chain isomerism B. Positional isomerism C. Meta merism D. Functional group isomerism
16	Which of the following contains single bonds	A. Benzene B. Alkyne C. Alkene

		D. Alkane
17	Linear geometry is present in:	A. Sp ³ B. Sp ² C. Sp D. D ² sp ³
18	Which reaction produces a free radical	A. SN reaction B. Homelytic fission reaction C. Heterolytic fission reaction D. Addition reaction
19	Source of organic compounds primarily is:	A. Plants B. Animals C. Minerals D. A & D. B
20	Type of isomerism in BrCH=CHBr is:	A. Structural isomerism B. <blockquote style="margin: 0 0 0 0 40px; border: none; padding: 0px;">Conformational isomerism</blockquote> C. Geometrical isomerism D. Positional isomerism