

ECAT Chemistry Chapter 18 Fundamental Principles of Organic Chemistry

Sr	Questions	Answers Choice
1	Question Image	A. 1, 5-pentadiene B. Penta-1, 4-diene C. 1, 1-pentadiene D. 1, 4-pentene
2	Hydrocarbons contain	A. C and S only B. C and H only C. C, H, and O only D. C, H, O and N only
3	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
4	Geographical survey of Pakistan estimates about billion tons of coal in Pakistan:	A. 182 B. 183 C. 184 D. 185
5	How many structural acid cis-trans isomers are there for dichloroprepe, C ₃ H ₄ Cl ₂	A. 3 B. 5 C. 6 D. 7
6	The active part in a molecule is called	A. Hetroatom B. Functional group C. Chemical bond D. lon
7	The self linking property of carbon is called as	A. Linking polymerization B. Addition C. Catenation D. Elimination
8	Which reaction produces a free radical	A. SN reaction B. Homelytic fission reaction C. Heterolytic fission reaction D. Addition reaction
9	Diversity of organic compounds in millions is:	A. Four B. Five C. Six D. Seven
10	Closed chain compound can be classified into	A. Homocyclic B. Hetrocyclic C. Aliphatic D. Both a and b
11	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
12	Coal is obtained from dead remains of	A. Plants B. Animals C. Both a and b D. None
13	Linear geometry is present in:	A. Sp ³ B. Sp ² C. Sp D. D ² sp ³
14	Which is the chain isomer of n-pentane	A. Isopentane B. Neopentene C. N-pentene D. Isopentene
		A. All sigma bonds B. All pi(

15	In alkynes the bonds between carbon atoms are	size: 19.8px;">π) bonds C. One is sigma and two are <i style='box-sizing: border-box; color: rgb(34, 34, 34); font-family: "Times New Roman"; font- size: 19.8px;'>π</i> (pi) bonds D. One is <i style='box-sizing: border- box; color: rgb(34, 34, 34); font-family: "Times New Roman"; font- size: 19.8px;'>π</i> (pi) and two are sigma bonds
16	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
17	Polythene is a polymer of	A. Ethane B. Ethene C. Acetone D. Propylene
18	Rates of organic reactions are	A. Fast B. Very fast C. Slow D. Non-reactive
19	Which set of hybrid orbitals has planar triangular shape	A. sp ³ B. sp C. sp ² D. dsp ²
20	Which set of hybrid orbitals has planar triangle shape?	A. sp ³ B. sp C. sp ² D. dsp ²