

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Source of organic compounds primarily is:	A. Plants B. Animals C. Minerals D. A & B
2	Number of isomers of butane are:	A. One B. Two C. Three D. Four
3	type of hybridization in $\text{CH}\equiv\text{CH}$ is:	A. sp B. sp^2 C. sp^3 D. dsp^2
4	Type of isomerism in $\text{BrCH}=\text{CHBr}$ is:	A. Structural isomerism B. Conformational isomerism C. Geometrical isomerism D. Positional isomerism
5	Which gasoline is better?	A. Of low boiling point B. Of low molecular mass C. Of high octane D. All of these
6	Products of coal is:	A. Peat B. Lignite C. Bituminous coal D. All above
7	Functional group of ketones is:	A. ---CHO B. ---CO--- C. ---C---N D. ---COOH
8	Angle 120° is observed in molecules :	A. CH_4 B. CH_3CH_3 C. CH_2CH_2 D. $\text{CH}_2 = \text{CHCH}_2$
9	Linear geometry is present in:	A. Sp^3 B. Sp^2 C. Sp D. Sp^2sp^3
10	General formula of carbocyclic acids is:	A. RCOH B. RCOR C. RCOOR D. R-OH
11	Diversity of organic compounds in millions is:	A. Four B. Five C. Six D. Seven
12	The general formula of saturated alicyclic hydrocarbons is:	A. C_nH_{2n} B. $\text{C}_n\text{H}_{2n+2}$ C. $\text{C}_n\text{H}_{2n+2}$ D. $\text{C}_n\text{H}_{2n-1}$
13	Tetraethyl lead causes disease:	A. Typhoid B. Respiratory C. Stomach D. Muscular
14	Types of cracking are:	A. Thermal B. Catalytic C. Steam

- 15 Cracking products are :
A. Only alkanes
B. Only alkenes
C. Alkanes and alkenes
D. Alkynes
- 16 At present oil refineries in Pakistan are:
A. One
B. Two
C. Three
D. Four
- 17 Major component of natural gas is:
A. Ethane
B. Ethene
C. Propane
D. Methane
- 18 Geographical survey of Pakistan estimates about billion tons of coal in Pakistan:
A. 182
B. 183
C. 184
D. 185
- 19 Fossil fuels consist of :
A. Coal
B. Natural gas
C. Petroleum
D. All of these
- 20 Select from the following which one is alcohol?
A. $\text{CH}_3\text{CH}_2\text{OH}$
B. $\text{CH}_3\text{CH}_2\text{OCH}_3$
C. $\text{CH}_3\text{CH}_2\text{COOH}$
D. $\text{CH}_3\text{CH}_2\text{Br}$
- 21 Ether show the phenomenon of :
A. Position isomerism
B. Functional group isomerism
C. Metamerism
D. Cis-trans isomerism
- 22 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
- 23 Linear shape is associated with set of hybrid orbitals?
A. sp
B. sp²
C. sp³
D. dsp²
- 24 The chemist who synthesized urea form ammonia cyanate was:
A. Berzelius
B. Kolbe
C. Wohler
D. Lavoiser
- 25 Which set of hybrid orbitals has planar triangle shape?
A. sp³
B. sp
C. sp²
D. dsp²
- 26 In t-butyl alcohol, the tertiary carbon is bonded to:
A. Two hydrogen atom
B. Three hydrogen atoms
C. One hydrogen atoms
D. No hydrogen atoms
- 27 The state of hybridization of carbon atom in methane is:
A. sp³
B. sp²
C. sp
D. dsp²
- 28 Transition elements are called so because:
A. Form interstitial compounds
B. have high m.p
C. In between 's' and 'p' block elements
D. All of these
- 29 f-block elements are called :
A. Alkali metal
B. Alkaline earth metals
C. Transition elements
D. Electron deficient elements
- 30 d-block elements are also called :
A. alkali metal
B. Alkaline earth metals
C. Transition elements
D. Electron deficient elements