

MDCAT Chemistry Chapter 12 Transition Elements Online Test

Sr	Questions	Answers Choice
1	Cyclobutane structure is categorized under	A. Aromatic compounds B. Aliphatic compounds C. Alicyclic compounds D. Heterocyclic compounds
2	Indicate the number of open chain isomers of C ₆ H ₁₄	A. 4 B. 5 C. 6 D. 7
3	Alicyclic compounds are the homocyclic compounds which contain a ring of	A. 5 or more carbon atoms B. 6 or more carbon atoms C. 3 or more carbon atoms D. 4 or more carbon atoms
4	Which of the following is not heterocyclic compound?	A. Naphthalene B. Furan C. Pyridine D. Pyrrole
5	How many esters are possible for C ₂ H ₄ O ₂	A. 3 B. 2 C. 4 D. 5
6	Name the compound, which shows geometric isomerism	A. 1-bromo-2-chloropropene B. 2,3-dimethylpropene C. 2-pentene D. Both A & B
7	Anthracene contains number of fused benzene rings	A. 1 B. 2 C. 3 D. 4
8	The maximum number of isomer for an alkene with the molecular formula C ₂ H ₈	A. 2 B. 3 C. 4 D. 5
9	A doubly bonded carbon is	A. cannot be sp ² hybridized B. can be sp hybridized C. can attach with three carbons D. can attach with three hydrogens
10	State of hybridization of carbon in the carbocation is	A. sp ³ B. sp C. sp ² D. dsp ²
11	Which of the compounds cannot show positional isomerism?	A. Alkanes B. Alkenes C. Alkynes D. Alcohols
12	Which one of the following is an aromatic compound?	A. Benzene B. Thiophene C. Furan D. All of them
13	2-propanol shows-----isomerism with 1-propanol	A. Chain isomerism B. Positional isomerism C. Metamerism D. Geometrical isomerism
14	Pyridine is an example of	A. Homocyclic compound B. Heterocyclic compound C. Carbocyclic compound D. Aliphatic compound
15	Which one of the following does not show isomerism?	A. Propane B. Hexane C. Butane D. Pentane

16	The structural isomerism arises due to the difference in the	A. Number of atoms in the molecule B. Arrangements of atoms in the molecule C. Number as well as arrangement of atoms in the molecule D. Spatial arrangement of atoms
17	Which one of the following is not an alicyclic compound?	A. Cyclohexene B. Cyclohexane C. Benzene D. Cyclopentane
18	How many secondary carbon atoms are present in Methylcyclopropane	A. 1 B. 2 C. 3 D. 0
19	The aliphatic compounds are of two types	A. Straight chain and cyclic B. Branched chain and alicyclic C. Straight chain and branched D. Homocyclic and alicyclic
20	Glucose and fructose are isomers	A. Chain isomers B. Position isomers C. Functional group isomers D. Metamers