MDCAT Chemistry Chapter 12 Transition Elements Online Test

Sr	Questions	Answers Choice
1	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
2	In homocyclic compounds the ring consists of	A. Carbon and oxygen atoms B. Carbon and nitrogen atoms C. Only carbon atoms D. Carbon atoms with one hetero atom
3	A doubly bonded carbon is	A. cannot be sp2 hybridized B. can be sp hybridized C. can attach with three carbons D. can attach with three hydrogens
4	The hetero atom in py ridine is	A. Oxygen B. Nitrogen C. Chlorine D. Sulphur
5	Which of the compounds cannot show positional isomerism?	A. Alkanes B. Alkenes C. Alkynes D. Alcohols
6	Glucose and fructose are isomers	A. Chain isomers B. Position isomers C. Functional group isomers D. Metamers
7	Butane molecule can have maximum no of isomers	A. 2 B. 5 C. 4 D. 3
8	Cyclobutane structure is categorized under	A. Aromatic compounds B. Aliphatic compounds C. Alicyclic compounds D. Heterocyclic compounds
9	Name the compound, which shows geometric isomerism	A. l-bromo-2-chloropropene B. 2.3-dimethy lpropene C. 2-pentene D. Both A & B
10	1-chloropropane and 2.chlorpropane are isomers of each other, the type of isomerism in these two is called	A. Cis-trans isomerisn B. Position isomerism C. Chain isomerism D. Functional group isomerism
11	As the number of carbon atoms increases the number of isomers also increase. The 5 C compound pentane has as many as	A. 3 isomers B. 5 isomers C. 6 isomers D. 10 isomers
12	Ether show the phenomenon of	A. Positional isomerism B. Functional group isomeris C. Meta merism D. Cis trans isomerism
13	Indicate the number of open chain isomers of C6H14	A. 4 B. 5 C. 6 D. 7
14	If similar groups are attached to the same side, of C=C of alkene then it is	A. Cis isomer B. Trans isomer C. Tautomer D. All
15	2-propanol shows-----isomerism with 1-propanol	A. Chain isomerism B. Positional isomerism C. Metamerism

		D. Geometrical isomerism
16	State of hybridization of carbon in the carbocation is	A. sp3 B. sp C. sp2 D. dsp2
17	Nitro alkanes exhibit the:	A. Chain isomerism B. Positional isomerism C. Functional group D. Metamerism
18	Which of the following compound shows the geometrical isomerism	A. 2-butene B. 2-butyne C. 2-butanol D. Butanol
19	The maximum number of isomer for an alkene with the molecular formula C2H8	A. 2 B. 3 C. 4 D. 5