

## MDCAT Chemistry Chapter 12 Transition Elements Online Test

Sr	Questions	Answers Choice
1	Indicate the number of open chain isomers of C6H14	A. 4 B. 5 C. 6 D. 7
2	State of hybridization of carbon in the carbocation is	A. sp3 B. sp C. sp2 D. dsp2
3	Which compounds is alicyclic in nature?	A. Cyclobutane B. Iso-bstand C. n-Butane D. Toluend
4	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
5	The hetero atom in py ridine is	A. Oxygen B. Nitrogen C. Chlorine D. Sulphur
6	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
7	Which of the compounds cannot show positional isomerism?	A. Alkanes B. Alkenes C. Alkynes D. Alcohols
8	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
9	Anthracene contains number of fused benzene rings	A. 1 B. 2 C. 3 D. 4
10	Name the compound, which shows geometric isomerism	A. I-bromo-2-chloropropene B. 2.3-dimethy Ipropene C. 2-pentene
		D. Both A & B
11	Butane molecule can have maximum no of isomers	D. Both A & B  A. 2 B. 5 C. 4 D. 3
11	Butane molecule can have maximum no of isomers  The bond angle between any two sp hybrid orbitals is A.109.28°	A. 2 B. 5 C. 4
		A. 2 B. 5 C. 4 D. 3 A. 107.09° B. 120° C. 90°
12	The bond angle between any two sp hybrid orbitals is A.109.28°  The isomerism in which the compounds differ with respect to functional group but have same	A. 2 B. 5 C. 4 D. 3  A. 107.09° B. 120° C. 90° D. 80°  A. Metamerism B. Functional group isomerism C. Position isomerism

		D. Pentane
16	Which is not present as heteroatom in heteroeyclie compounds?	A. Sulphur B. Nitrogen C. Oxygen D. Chlorine
17	Which one of the following is an aromatic compound?	A. Benzene B. Thiophene C. Furan D. All of them
18	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
19	Cyclobutane structure is categorized under	A. Aromatic compounds     B. Aliphatic compounds     C. Alicyclic compounds     D. Heterocyclic compounds
20	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