

## MDCAT Chemistry Chapter 12 Transition Elements Online Test

Sr	Questions	Answers Choice
1	Which class of compound cannot show positional isomerism?	A. Alkanes B. Alkene C. Alkynes D. Alcohol
2	How many esters are possible for $C_2H_8O_2$	A. 3 B. 2 C. 4 D. 5
3	Alkanes do not show geometrical isomerism due to	A. Hyperconjugation B. Resonance C. Rotation around single bond D. Restricted rotation around doubled bond
4	Total number of possible chain and positional isomers of butyl alcohol among alcohols are	A. Four B. Five C. Two D. Six
5	Which of the following compounds does not exhibit positional isomerism?	A. Alkynes B. Nitroalkanes C. Carboxylic acid D. Alcohol
6	The isomerism in which the compounds differ with respect to functional group but have same molecular formula is called	A. Metamerism B. Functional group isomerism C. Position isomerism D. Chain isomerism
7	Anthracene contains number of fused benzene rings	A. 1 B. 2 C. 3 D. 4
8	Pyridine is an example of	A. Homocyclic compound B. Heterocyclic compound C. Carbocyclic compound D. Aliphatic compound
9	Which compound is alicyclic in nature?	A. Cyclobutane B. Iso-butane C. n-Butane D. Toluene
10	Which is not present as heteroatom in heterocyclic compounds?	A. Sulphur B. Nitrogen C. Oxygen D. Chlorine
11	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
12	Which of the following is not heterocyclic compound?	A. Naphthalene B. Furan C. Pyridine D. Pyrrole
13	How many secondary carbon atoms are present in Methylcyclopropane	A. 1 B. 2 C. 3 D. 0
14	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

15	Butane has isomeric forms	B. 4 <b>C. 2</b> D. 1
16	Which one of the following does not show isomerism?	<b>A. Propane</b> B. Hexane C. Butane D. Pentane
17	The bond angle between any two sp hybrid orbitals is	A. 107.09° <b>B. 120°</b> C. 90° D. 80°
18	Furan is a compound	A. Acyclic B. Alicyclic <b>C. Heterocyclic</b> D. non-aromatic
19	Which one of the following is an aromatic compound?	A. Benzene B. Thiophene C. Furan <b>D. All of them</b>
20	Which one of the following is not an alicyclic compound?	A. Cyclohexene B. Cyclohexane <b>C. Benzene</b> D. Cyclopentane