

MDCAT Chemistry Chapter 12 Transition Elements Online Test

Sr	Questions	Answers Choice
1	How many esters are possible for $C_2H_8O_2$	A. 3 B. 2 C. 4 D. 5
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	Butane has isomeric forms	A. 3 B. 4 C. 2 D. 1
4	Which of the following is not heterocyclic compound?	A. Naphthalene B. Furan C. Pyridine D. Pyrrole
5	Which one of the following is not an alicyclic compound?	A. Cyclohexene B. Cyclohexane C. Benzene D. Cyclopentane
6	How many secondary carbon atoms are present in Methylcyclopropane	A. 1 B. 2 C. 3 D. 0
7	Which compounds is alicyclic in nature?	A. Cyclobutane B. Iso-butane C. n-Butane D. Toluene
8	Indicate the number of open chain isomers of C_6H_{14}	A. 4 B. 5 C. 6 D. 7
9	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
10	Furan is a compound	A. Acyclic B. Alicyclic C. Heterocyclic D. non-aromatic
11	Anthracene contains number of fused benzene rings	A. 1 B. 2 C. 3 D. 4
12	2-propanol shows-----isomerism with 1-propanol	A. Chain isomerism B. Positional isomerism C. Metamerism D. Geometrical isomerism
13	Which of the following compounds does not exhibit positional isomerism?	A. Alkynes B. Nitroalkanes C. Carboxylic acid D. Alcohol
14	Total number of possible chain and positional isomers of butyl alcohol among alcohols are	A. Four B. Five C. Two D. Six
15	State of hybridization of carbon in the carbocation is	A. sp^3 B. sp C. sp^2 D. sp^1

		D. dsp^2
16	Which is not present as heteroatom in heterocyclic compounds?	A. Sulphur B. Nitrogen C. Oxygen D. Chlorine
17	Which of the compounds cannot show positional isomerism?	A. Alkanes B. Alkenes C. Alkynes D. Alcohols
18	Alkanes do not show geometrical isomerism due to	A. Hyperconjugation B. Resonance C. Rotation around single bond D. Restricted rotation around double bond
19	Which one of the following does not show isomerism?	A. Propane B. Hexane C. Butane D. Pentane
20	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