

## MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	In all oxidation reactions, atoms of an element in a chemical species lose electrons and increases their	A. Oxidation states B. Reduction states C. Electrode D. Negative charges
2	Which one of the following statements about Glucose and sucrose is incorrect?	A. Both are soluble in water B. Both are naturally occurring C. Both are carbohydrates D. Both are disaccharides
3	Lanthanides and actinides belong to following group of periodic table:	A. IB B. VIII B C. IIIB D. IIIB
4	The pH range of the acid rain is	A. 6.5 - 6 B. Less than 5 C. 8 - 7.5 D. 7 - 6.5
5	Succinic thiokinase is an enzyme of the type	A. mutase B. peroxidase C. ligase D. lyase
6	Low IE is a symbol of	A. high electronegativity B. small size C. High electron affinity D. Metallic character
7	The order of reaction provides valuable information about of reaction	A. Condition B. Concentration C. Mechanism D. Parameters
8	Given solution contains 16.0 g of CH <sub>3</sub> O, 92.0 G OF C <sub>2</sub> H <sub>5</sub> OH and 36 g of water. Which statement about mole fraction of the components is true?	A. Mole fraction of CH <sub>3</sub> OH is highest among all components B. Mole fraction of C <sub>2</sub> H <sub>5</sub> OH and H <sub>2</sub> O is the same C. Mole fraction of CH <sub>3</sub> OH and C <sub>2</sub> H <sub>5</sub> OH is ame D. Mole fraction of H <sub>2</sub> O is the lowest among all
9	Classification of polymerization into two types was suggested by	A. W.H Carothers B. Staudinger C. OSwald D. Aspdin
10	How magnesium reacts with water?	A. In frozen ice water B. With cold water C. In with steam D. In hot state
11	If a reaction involves only solids and liquids, which of the following is true?	A. $\Delta H = \Delta E$ B. $\Delta H = \Delta E$ C. $\Delta H > \Delta E$ D. $\Delta H = \Delta E + nRT$
12	If reactants are conductor of electricity, then method is used to measure the change in concentration of reaction	A. Optical rotation B. Refractometric C. Dilatometric D. Electrical conductivity
13	Steroid belong to the family of:	A. protein   B. enzyme   C. lipids   D. carbohydrates  
14	Polymers class is:	A. homopolymer B. copolymer C. ter polymer D. All of these

15	Sea gets polluted bu accidental oil spills and	A. Atmospheric pressure B. Nitrogen gas C. Cargo oil tankers D. Aero plane
16	The ionization energy	A. generally increases from left to right in a period B. increases from top to bottom in a group C. does not change in a period D. does not change in a group
17	Which one of the following element is not present in all proteins?	A. carbon   B. hydrogen   C. nitrogen   D. sulphur&nbsp;  
18	The smog having high contents of SO <sub>2</sub> is	A. Neutral smog B. Reducing smog C. Oxidizing smog D. Artificial smog
19	Helical structure of proteins is stabilized by	A. Peptide bond B. Dipeptide bond C. Van der Wall's forces D. Hydrogen bonding
20	Potable water is considered to be:	A. safe for human consumption   B. the ground water   C. the Surface water   D. now water is due to the salt of:  