

## MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Zwitter ion are	A. Basic B. Acidic C. Neutral D. Carry both -ve and +ve charges
2	When HCl gas is passed through saturated solution of rock salt, the solubility of NaCl	A. Increases B. May increase or decrease C. Decreases D. None of these
3	The rate of reaction between A and B increases by a factor of 100, when the concentration of A is increased 10 folds, the order of reaction with respect to A is	A. 10 B. 1 C. 4 D. 2
4	Plastic are a pollution problem because many plastics	A. Burn to produce toxic fumes B. Decompose to produce toxic products C. Are made from petroleum D. Are very inflammable
5	Polymerisation of vinyl acetate is a type of:	A. homopolymer B. copolymer C. ter polymer D. All of these
6	In cyclic structure of glucose when the position of atoms on Carbon 1 is altered one isomer changes to other. These isomers of glucose are called	A. Anomers B. Position isomers C. Meta-mess D. Cis-trans isomers
7	Which of the following statements is incorrect about vitamins	A. often function as coenzymes B. molecules contain at least one ring structure C. are often synthesized by the body D. are polyfunctional compounds
8	The protein which only yield amino acids and their derivatives	A. Simple proteins B. Complex proteins C. Derived protein D. All of these
9	The specie that develops strongest hydrogen bonding with water	A. HCOOH B. CH <sub>3</sub> CH <sub>2</sub> COOH C. CH <sub>3</sub> COOH D. ClCH <sub>2</sub> COOH
10	Amount of heat absorbed when one mole of a solid melts into liquid form at its melting point is called:	A. heat of vaporization B. latent heat of fusion C. molar heat of fusion D. molar heat of sublimation
11	Molecular mass of PVC is (DP = 1200)	A. 63000 B. 75000 C. 75600 D. 80,000
12	Benedict solution gives a positive test with	A. Glucose B. Fructose C. Sucrose D. Starch
13	Which of the following does not give flame test?	A. Li B. Ba C. Mg D. Sr
14	Which one of the following is used as coagulant for purification potable water	A. Copper sulphate B. Alum C. Barium sulphate D. Nickel sulphate
15	The elements for which the value of ionization energy is low can	A. Gain electrons readily B. Lose electron less readily C. Gain electrons with difficulty

D. Lose electron readily

16	Choose the correct statements	A. $\text{SO}_2$ affects the nucleus B. $\text{SO}_2$ affects plasmodesmata C. $\text{SO}_2$ affects cell wall D. $\text{SO}_2$ affects all membrane systems
17	The heat of hydrogenation of most of the alkene is about	A. 120 kJ/mol B. 100 kJ/mol C. 140 kJ/mol D. 105 kJ/mol
18	Correct statement about Nucleophilic substitution bimolecular is	A. Transition state is formed B. Inversion take place C. It is two step reaction D. Both a & c
19	Depletion of ozone is more during the month:	A. Jan-March B. April-Jun C. July-Aug D. Sept-Nov
20	One of the following is optically non active amino acid	A. Valine B. Tyrosine C. Glycine D. Theronine