

MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	What is not correct about ΔH_f	<p>A. It is always negative</p> <p>B. Its value gives an idea about the relative stability of reactants and the products.</p> <p>C. Its value can be greater or less than zero</p> <p>D. Value depends upon nature of bonds</p>
2	L-asparaginase is helpful in treatment of	<p>A. skin disease</p> <p>B. blood cancer</p> <p>C. heart failure</p> <p>D. obstructive jaundice</p>
3	What is the sequence of electron take up and removal from 4s orbital a transition metal in 3d series?	<p>A. Enters first, leaves after 3d electrons removal</p> <p>B. Enters after 3d electrons, leaves after 3d electrons</p> <p>C. Enters after 3d electrons, leaves first</p> <p>D. Enters first and leaves first</p>
4	The reduction potentials of non-metals are A = +0.54V, B = +1.08V, C = +1.36V, D = +2.87V. Which non-metal can displace all other from aqueous solution of their salts	<p>A. A</p> <p>B. C</p> <p>C. B</p> <p>D. D</p>
5	The bond angle between any two sp hybrid orbitals is	<p>A. 107.09°</p> <p>B. 120°</p> <p>C. 90°</p> <p>D. 80°</p>
6	The nature of crystal of diamond is	<p>A. metallic</p> <p>B. molecular</p> <p>C. covalent</p> <p>D. ionic</p>
7	HOCl is a compound:	<p>A. Polar inorganic</p> <p>B. organic</p> <p>C. ionic</p> <p>D. covalent</p>
8	Which one of the following is a disaccharide?	<p>A. glucose</p> <p>B. sucrose</p> <p>C. fructose</p> <p>D. starch</p>
9	Total number of possible chain and positional isomers of butyl alcohol among alcohols are	<p>A. Four</p> <p>B. Five</p> <p>C. Two</p> <p>D. Six</p>
10	The Cl ⁻ ion present at the corner of the unit cell in NaCl crystal, contributes	<p>A. 1/8 th</p> <p>B. 1/4 th</p> <p>C. 1/2 th</p> <p>D. 1</p>
11	Which of these has at least one d electron	<p>A. Sc⁺³</p> <p>B. Mn⁺⁷</p> <p>C. Ti⁺⁴</p> <p>D. Cr⁺³</p>
12	The potential difference of an electrochemical cell is measured by	<p>A. Calorimeter</p> <p>B. Voltmeter</p> <p>C. Galvanometer</p> <p>D. Ammeter</p>
13	Ozone layer is present in	<p>A. Troposphere</p> <p>B. Stratosphere</p> <p>C. Mesosphere</p> <p>D. Ionosphere</p>
14	0.1M HCl having pH = 1.0 it is about 100 times stronger than acetic acid. What will be the pH of acetic acid:	<p>A. 0.1</p> <p>B. 1.3</p> <p>C. 2</p> <p>D. -</p>

15	The actual volume of gas molecules is considered negligible at following pressures	A. 2atm B. 4atm C. 6 atm D. 8 atm
16	Silk is an example of	A. animal fiber B. vegetable fibre C. mineral fibre D. none of these
17	The structure of a polymer depends upon how the monomer-repeating unit joins to makes a polymer, What is not the type of structure of a polymer?	A. synthetic polymer B. linear polymer C. branched D. cross linked or inter connected polymer
18	Cement is mixture of so many compounds roasted in rotary kiln. Which substance has greater percentage:	A. Lime B. Alumina C. Silica D. Magnesia
19	Which oxide when mixed with water, will produce the most acidic solution?	A. CO B. CO ₂ C. SiO ₂ D. P ₂ O ₅
20	Which is not a calcareous material:	A. Lime B. Marble C. Clay D. Marine shel