MDCAT Chemistry Chapter 5 Chemical Energenitcs Online Test

Sr	Questions	Answers Choice
1	The Cl- ion present at the corner of the unit cell is NaCl crystal, contributes	A. 1/8 th B. 1/4 th C. 1/2 th D. 1
2	The hexagonal closed packing is associated with	A. Ag, Cu, Au B. Zn, Cd, Hg C. Li, Na, K D. NaCl, KBr
3	The arrangement ABC, ABC .... is referred as	A. cubic close packing B. octahedral close packing C. hexagonal close packing D. tetrahedral close packing
4	In crystal of sodium chloride, a Cl-1 ion present at the corner of cube is shared between how many cubes?	A. 8 B. 4 C. 6 D. 10
5	Structure of CrO4(-2) is'	A. triclinic B. cubic C. octahedral D. tetrahedral
6	The number of Na+, ions which surround each Cl- ion in the NaCl crystal lattice is	A. 8 B. 12 C. 6 D. 10
7	In most of the cases the molecular crystals are	A. very soft B. soft C. extremely hard D. sufficiently hard
8	The crystals formed due to London forces of interaction are	A. ionic B. covalent C. molecular D. metallic
9	The geometry of diamonds is	A. tetragonal B. cubic C. rhombohedral D. none of these
10	Which impurity makes the shape of NaCl crystal needle like	A. MgSO4 B. urea C. glucose D. MgCO3
11	Ionic solids don't conduct the electrical current because	A. ion do not have translatory motion B. free electrons are less C. the coordination number of the ion is very high D. strong covalent bonds are present in their structure
12	The molecules of CO2, in dry ice form the	A. covalent crystals B. molecular crystals C. none of these crystals D. ionic crystals
13	The structure of sodium chloride is	A. simple cube B. body centered cubic C. face centered cubic D. depends upon conditions
14	in diamond a unit cell is tetrahedral and averall crystai structure is	A. face centred cubic B. body centred cubic C. tetrahedral D. hexagonal
15	Which of the following solids does not have a covalent bond?	A. Silica B. Copper C. Diamond

		D. Graphite
16	The examples of a hexagonal system is	A. sugar B. graphite(a=b not equal to c) {Alpha =beta. not equal to gamma} C. sulphur D. diamond
17	Substance that does not show the process of sublimation is	A. K2Cr2O7 B. iodine C. naphthalene D. NH4Cl
18	The nature of crystal of diamond is	A. metallic B. molecular C. covalent D. ionic
19	Plastics are amorphous solids and	A. have sharp melting points B. undergo clean cleavage when cut with knife C. do not undergo clean cleavage D. possess orderly arrangement over long distances
20	In diamond, which hybridization is there?	A. sp2 B. dsp2 C. sp3 D. sp