

## MDCAT Chemistry Chapter 5 Chemical Energenitcs Online Test

Sr	Questions	Answers Choice
1	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
2	Structure of CrO <sub>4</sub> (-2) is'	A. triclinic B. cubic C. octahedral D. tetrahedral
3	LiF is a crystalline substance and has	A. ionic crystal B. metallic crystal C. covalent crystal D. molecular crystal
4	The number of Cl- ions per unit cell of NaCl are	A. 6 B. 4 C. 2 D. 8
5	Which impurity makes the shape of NaCl crystal needle like	A. MgSO <sub>4</sub> B. urea C. glucose D. MgCO <sub>3</sub>
6	The molecules of CO <sub>2</sub> , in dry ice form the	A. covalent crystals B. molecular crystals C. none of these crystals D. ionic crystals
7	The transition temperature of tin is	A. 95.5 C° B. 13.2 C° C. 13.2°C D. 128.5°
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	Some of crystals are good conductors of heat and electricity, they may be	A. ionic in nature B. of metallic character C. covalent in nature D. of molecular nature
11	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
12	Polymorphism is shown by AgNO <sub>3</sub> . Which one of the following options is true for AgNO <sub>3</sub> ?	A. Orthorhombic and rhombohedral B. Cubic and orthorhombic C. Cubic and tetragonal D. Monoclinic and hexagonal
13	One of the following is a ionic solid. Which is that?	A. Fe B. KBr C. Diamond D. Cr
14	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

15	The transition temperature of $\text{KNO}_3$ , is	B. $95.5^\circ\text{C}$ C. $128^\circ\text{C}$ D. $32.02^\circ\text{C}$
16	The number of $\text{Na}^+$ ions which surround each $\text{Cl}^-$ ion in the $\text{NaCl}$ crystal lattice is	A. 8 B. 12 C. 6 D. 10
17	Which one is an isomorphic pair?	A. $\text{NaNO}_3$ , $\text{CaCO}_3$ , B. $\text{NaF}$ , $\text{MgO}$ C. $\text{K}_2\text{SO}_4$ , $\text{K}_2\text{Cr}_2\text{O}_7$ D. $\text{Zn}$ , $\text{Cd}$
18	in diamond a unit cell is tetrahedral and overall crystal structure is	A. face centred cubic B. body centred cubic C. tetrahedral D. hexagonal
19	Crystals can be classified into	A. 7 crystal systems B. 4 crystal systems C. 3 crystal systems D. 14 crystal systems
20	Which property is associated with ionic solids?	A. Solubility in polar solvents B. Low melting points C. Good conductivity in solid state D. High vapour pressure