

## MDCAT Chemistry Chapter 9 Period Online Test

Sr	Questions	Answers Choice
1	In a group, the atomic radii from top to bottom	A. increase B. decrease C. don't change D. show variable trend
2	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
3	A molecule that has polar bonds but is overall non - polar	A. IF B. CCl <sub>4</sub> C. PCl <sub>3</sub> D. All
4	Energy of atom in compound is	A. Higher than individual atom B. Lower than individual atom C. equal to individual atom D. Impossible to predict
5	What is not true for NH <sub>4</sub> Cl	A. It has ionic bond B. It has covalent bond C. It has coordinate bond D. It has hydrogen bond
6	Ionic bond is produced after complete transfer of	A. nucleus B. neutrons C. electrons D. protons
7	A covalent bond may be	A. 100% covalent B. Partial ionic C. 100% ionic D. Both a and b
8	What will be the shape of a molecule which contains two sigma bond pairs and one lone pair?	A. Linear B. V shape C. Tetragonal D. Triangular
9	At compromise distance the forces dominating between atoms are	A. repulsive forces B. attractive forces C. Dipole induced dipole force D. H-bonding
10	What is true for a molecule with standard geometry	A. It lacks a lp B. It can't be a donor C. It can be an acceptor D. All
11	Carbon-Carbon double bond length in C <sub>3</sub> H <sub>6</sub>	A. 154 pm B. 134 pm C. 120 pm D. 105 pm
12	Elements of group IA and IIA are	A. electronegative B. neutral C. electropositive D. non-metals
13	Which of the following molecule has zero dipole moment?	A. PCl <sub>3</sub> B. BF <sub>3</sub> C. NH <sub>3</sub> D. H <sub>2</sub> O
14	Energy required to remove electron from an atom	A. Ionization potential B. Electronegativity C. Electropositivity D. Electron affinity
15	Geometry of simple molecule with sp <sup>2</sup> hybridization	A. Triangular planar B. Trigonal C. Square planner

		D. Pyramidal
16	The shielding effect of inner electron is responsible for	A. Having no effect on ionization energy B. Decreasing ionization energy C. Increasing ionization energy D. Increasing electronegativity
17	Octet rule is not allowed in the formation of	A. $\text{NF}_3$ B. $\text{CF}_4$ C. $\text{CCl}_4$ D. $\text{PCl}_5$
18	$\text{H}_3\text{O}^+$ can't accept a lp because	A. it has positive charge B. The central atom is not electron deficient C. The shell of oxygen has reached its limit D. it already has a coordinate bond
19	Which one of the followings has polar covalent bonds hut is overall non-polar molecule:	A. HF B. $\text{CO}_2$ C. $\text{CH}_4$ D. $\text{N}_2$
20	Elements having high ionization potential values are	A. metals B. non- metal C. liquids D. solid