# MDCAT Chemistry Chapter 10 Chemical bonding Online Test

| Sr | Questions | Answers Choice |
|---|---|---|
| 1 | Elements of group IV-A are | A. neither strongly electropositive nor strongly electronegative<br>B. strongly electropositive<br>C. strongly electronegative<br>D. none of these |
| 2 | What is the formula of bauxite? | A. Al2O3.2H2O<br>B. Al2O3<br>C. Na2B4O7 .10 H2O<br>D. Ca2B6O11. 5H2O |
| 3 | What is the formula of dolomite? | A. CaMg3 (SiO3)4<br>B. MgCO3<br>C. MgCO3.CaCO3,<br>D. MgSO4 |
| 4 | The general electronic configuration of group IV-A elements is | A. ns2, np6<br>B. ns2, np4<br>C. ns2, np3<br>D. ns2, np2 |
| 5 | What is the formula of cryolite? | A. Al2O3.2H2O<br>B. Na2B4O7 .10 H2O<br>C. Na3AlF6<br>D. Ca2B6O11. 5H2O |
| 6 | What is the formula of talc or soapstone? | A. Na2B4O7.10H2O<br>B. H2Mg3(SiO3)4<br>C. Cu2S<br>D. NaNO3 |
| 7 | Which set of elements is good loser of electrons | A. F2. Cl2, Br2<br>B. N, P. As<br>C. O. S, Se<br>D. Li, Na, K |
| 8 | Which one of the following elements is most electropositive out of group I -A and II-A group? | A. K<br>B. Mg<br>C. Na<br>D. Ca |
| 9 | Compared with alkaline earth metals, the alkali metals exhibit. | A. lower ionization energies<br>B. greater hardness<br>C. high boiling point<br>D. smaller ionic radii |
| 10 | Which alkaline earth metal makes peroxide? | A. Ba<br>B. Be<br>C. Mg<br>D. Ca |
| 11 | Which noble gas is used in mixture used for breathing by divers? | A. Ge<br>B. Ar<br>C. Kr<br>D. He |
| 12 | Elements of group II-A are called | A. f-block elements<br>B. s-block elements<br>C. p-block elements<br>D. d-block elements |
| 13 | Which of the following configurations corresponds to alkaline earth metals? | A. [Ar] 3d10, 4s2<br>B. [Ne] 3d2, 3p2<br>C. [Ar] 4s2<br>D. [Ar], 3d10, 4s1 |
| 14 | What is the formula of silica? | A. Si2O3<br>B. SiO2<br>C. Si3O4<br>D. SiO- |
| 15 | The element which exhibits maximum catenation property is | A. C<br>B. Pb<br>C. Ge |

| | | |
|---|---|---|
| | | D. Sn |
| 16 | Which element differs from rest of elements of its group? | A. Ba<br>B. Mg<br>C. Ca<br>D. Be |
| 17 | Which is not mineral of Al? | A. Diaspore<br>B. Corrundam<br>C. Bauxite<br>D. Galena |
| 18 | Formula of sodium beryllite is | A. Na2B4O7<br>B. Na2BeO2<br>C. BeONa<br>D. Na2B4O7 .10 H2O |
| 19 | How magnesium reacts with water? | A. In frozen ice water<br>B. With cold water<br>C. In with steam<br>D. In hot state |
| 20 | Elements of II-A group are called alkaline earth metals due to the reason that | A. they occur in earth only<br>B. they form divalent cations only<br>C. they have ns2 electronic configuration<br>D. their oxides and hydroxides are alkaline in nature and metals are present in earth crust |