

## **Chemical Bonding**

| Sr | Questions   | Answers Choice  |
|----|---|---|
| 1  | The fore of attraction betwene water molecule is.   | A. lonic bonding B. Covalent bonding C. Hydrgen Bonding   |
| 2  | lonic compund are good conductors electricity in  | D. Co ordinate Covalent bonding  A. Solution B. Molten state C. Solid state D. both a and b                       |
| 3  | The formaton ionic bond between two ions is due to.   | A. Hydrogen bonding B. Metalic force C. Electrostatic forces D. All of the above                                  |
| 4  | The electropositive elements have the tendency to   | A. Lose electrons B. Gain electrons C. Share electrons D. All of these  |
| 5  | Wheih one of the following in as electron deficient molecule.   | A. NH3<br>B. O2<br>C. BF3<br>D. N2  |
| 6  | Transfer of electron between elements result in.  | A. Coordinate covalent bonding     B. lonic bonding     C. Metallic bonding     D. Covallent bonding              |
| 7  | Attaining two electrons in the valence shell is called.   | A. Octet rule B. Duplet rule C. Triplet rule D. All of these  |
| 8  | When molten copper and olten zinc are mixed together, they give rise to a new substnce called brass. Predict what type of bond is formed between copper and zinc. | A. lonic bond B. Coordinate Covalent bond C. Metallic bond D. Covalent Bond                                       |
| 9  | Triple covalent bond involves how many electrons.   | A. Six B. Four C. Eight D. Three  |
| 10 | Which among of the followign has a double covalent bond.  | A. Ethane B. Methane C. Acetylene D. Ethylene   |
| 11 | Every atom has a natural tendency to accommodate electrons in its valence shell   | A. 2 or 6<br>B. 2 or 4<br>C. 2 or 8<br>D. 2 or 10   |
| 12 | How many valance shell electrons are there in Na+ ion.  | A. 8<br>B. 9<br>C. 1<br>D. 10   |
| 13 | A bond formed by the mutual sharing an electron pair is called.   | A. Ionic bond B. Metallic bond C. Covalent bond D. Coordinate covalent bond                                       |
| 14 | An atom having six electonsin its valence shell will achieve noble gas electronic confguration by   | A. Gainign one electron     B. Gaining two electrons     C. Losing all electrons     D. Losing two electrons      |
| 15 | Covalent Bond involves the  | A. Sharing of electrons     B. Repulsion of electrons     C. Acceptance of electrons     D. Donation of electrons |

| 16 | Nitrogen molecule contains.                 | A. Polar covalent bond B. Triple Covalent bond C. Double covalent bond D. Single covalent bond |
|----|---|--|
| 17 | How many covalent bonds do N2 molecule have | A. 3<br>B. 4<br>C. 2<br>D. 5   |
| 18 | The boiling point of water is               | A. O <sup>o</sup> C B. 100 <sup>o</sup> C C. 35 <sup>o</sup> C D. 25 <sup>o</sup> C            |
| 19 | Identify the covalent compund               | A. NaCl<br>B. H <sub>2</sub> O<br>C. KF<br>D. MgO  |
| 20 | Number of electronsin nitrogen molecule is. | A. 2<br>B. 4<br>C. 6<br>D. 8   |