

## The language of Chemistry

### Questions:

Question1: What is a symbol?

Question2: What is the full form of IUPAC?

Question3: Write the names of the following elements:

- (i) Pb
- (ii) Na
- (iii) K
- (iv) Cl
- (v) S

Question4: If we write the symbol for Cobalt as CO instead of Co, what would be incorrect here?

Question5: What is atomicity?

Question6: What do you mean by valency?

Question7: Define the term chemical formula.

Question8: What does acid radical and basic radical mean?

Question9: The valency of an element A is 4 and the valency of an element B is 3. Write the formula of the compound formed by element A and element B.

Question10: The correct formula for aluminum oxide is \_\_\_\_\_.

Question11: Give the chemical formula of the compound Quick lime. Also give its name and number of the elements present in the compound.

Question12: What is a chemical equation?

Question13: Why do we need to balance a chemical equation?

Question14: What is atomic mass unit?

Question15: Define poly-atomic ions.

**Question16:** Write the equation for “Sodium chloride reacts with silver nitrate to produce silver chloride and sodium nitrate.”

**Question17:** What is the valency of Nitrogen in  $N_2O_3$ ?

**Question18:** Write the balanced chemical equation for  
Sodium hydroxide + Sulphuric acid  $\rightarrow$  Sodium sulphate + water

**Question19:** Write the balanced chemical equation for  
Zinc sulphide + oxygen  $\rightarrow$  Zinc oxide + Sulphur dioxide

**Question20:** Write the balanced chemical equation for  
Copper + Nitric acid  $\rightarrow$  Copper nitrate+ Nitric oxide + water

