Chemistry Std IX Assignments no.7

Chemistry

Std IX

ASSIGNMENT: Language of Chemistry

Q1. Calculate the molecular mass of the following:

- (i) FeSO4.7H2O
- (ii) Na₂CO₃.10H₂O
- (iii) KMnO4

Given mass of:

Fe = 56, S = 32, O = 16, H = 1

Na = 23, C = 12, K = 39, Mn = 55

Q2. Calculate the percentage of:

- (i) Carbon in Na₂CO₃.10H₂O
- (ii) nitrogen in (NH4)2SO4

Mass of Na = 23, C = 12, O = 16, H=1,

N= 14, S =32,

Q3. Give the empirical formula of:

- (a) Benzene (C6H6)
- (b) Acetic acid (CH3COOH)