



Assignment

ABHYAS Academy,Near Govt. College, Nishat Cinema Road,
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Date: __ / __ / __

Name: _____

Max Marks: 20

Section- A (One Marks Each)

- 1 Atoms of _____ exist independently
- 2 What is the full form of IUPAC?
- 3 State law of constant proportion?
- 4 Define atomicity. Give one example each of monoatomic and triatomic atoms.

Section-B (Two Marks Each)

- 5 What is a polyatomic ion? Give four examples.
- 6 Hydrogen and oxygen combine in the ratio of 1:8 by mass to form water. What mass of oxygen would be required to react completely with 6g of hydrogen gas?
- 7 In a reaction, 5.3 g of sodium carbonate reacted with 6 g of ethanoic acid. The products were 2.2 g of CO₂ 0.9 g of water and 8.2 g of sodium ethanoate. Show that these observations are in agreement with the law of conservation of mass.

Section-C (Three Marks Each)

- 8 Write the chemical formulas of the following compounds:
Nitric acid Sodium nitrate Calcium bicarbonate
- 9 A compound XH is formed by the combination of an element X with hydrogen. Find the valency of the element. State the formula of the compound formed by the combination of (a) X with nitrogen (b) X with oxygen.

Section-D (Four Marks Each)

- 10 What are the postulates of Dalton's atomic theory? What are limitations of this theory?



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