



TEST PAPER: CHEMISTRY

Time: 45 Minutes

Class: CBSE 9

Max. Marks: 30 Marks

Date: 18TH July 2018

Marking Scheme: Three questions carry 10 marks each. Questions have 3 subparts each. Subparts (a) and (b) carry 3 marks each and subpart (c) carries 4 marks.

Question 1:

A. State the following laws:

- Law of conservation of mass
- Law of constant proportion

B. Differentiate between physical and chemical changes.

C. How will you separate a mixture of kerosene (200°C) and petrol (150°C)? Explain with the help of diagram.

Question 1:

A. Give the formulae of following compound:

- | | |
|-----------------------|------------------------|
| a. Sodium chloride | d. Calcium carbonate |
| b. Magnesium chloride | e. Potassium sulphate |
| c. Aluminium chloride | f. Magnesium hydroxide |

B. State the postulates of Dalton's atomic theory.

C. A solution contains 40 g of common salt in 320 g of water. Calculate the concentration in terms of mass by mass percentage.

Question 1:

A. A solution contains 50 g of salt dissolved in 250 ml of solution. Calculate the concentration in terms mass by volume percentage.

B. In a reaction, 5.3 g of sodium carbonate reacted with 6 g of ethanoic acid. The products were 2.2 g of carbon dioxide, 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.

C. Differentiate between following: (any 2)

- Mixtures and compounds
- Elements and compounds
- Homogenous and heterogenous mixtures

