



TEST PAPER: CHEMISTRY

Time: 40 Minutes

Class: ICSE 9th

Max. Marks: 30 Marks

Date: 24th October, 2018

Marking Scheme: 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. Differentiate between combination and decomposition reactions with example.
- B. What is photochemical reaction? Give two examples.
- C. Balance the following equations:
 - a. $\text{NH}_3 + \text{O}_2 \rightarrow \text{NO} + \text{H}_2\text{O}$
 - b. $\text{Pb}_3\text{O}_4 \rightarrow \text{PbO} + \text{O}_2$
 - c. $\text{Cu}(\text{NO}_3)_2 \rightarrow \text{CuO} + \text{NO}_2 + \text{O}_2$
 - d. $\text{K}_2\text{Cr}_2\text{O}_7 + \text{HCl} \rightarrow \text{KCl} + \text{CrCl}_3 + \text{H}_2\text{O} + \text{Cl}_2$

Question: 2

- A. Differentiate between exothermic and endothermic reactions.
- B. Name the following:
 - a. Pollutant released during burning of fossil fuels
 - b. A liquid fuel used in homes
 - c. The gas which in presence of U.V. light gives 2 atoms of same gas
- C. Explain the term acid rain. Give the equations for the formation of sulphuric acid in acid rain.

Question: 3

- A. Explain the term global warming. What are the consequences of global warming?
- B. State what greenhouse gases are and name the major greenhouse gases.
- C. Give balanced equations for following conversions;
 - a. Ozone to oxygen
 - b. Methane to carbon dioxide