



TEST PAPER: CHEMISTRY

Time: 50 Minutes

Class: CBSE 10th

Max. Marks: 30 Marks

Date: 26th September, 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. Name the following:

- Two metals with very low melting point
- Two soft metals that can be cut with knife
- Two metals which are good conductor of heat

B. Give reasons:

- Ionic compounds have high melting points.
- Gold and silver are used to make jewellery.
- Immersion rods for heating water are made of metallic substances.

C. Differentiate between acidic and basic oxides.

Question 2:

A. Pratyush took a piece of charcoal and heated it. He collected the gas evolved in the test tube

- What will be the nature of gas on litmus paper.
- Give the balanced chemical equation for the reaction.

B. Give the condensed structure of the following compounds:

- 2-butene
- 2-chloropropane
- Pentanoic acid

C. Give the IUPAC names of the following compounds:

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| a. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CHO}$ | c. CH_3COCH_3 |
| b. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ | d. $\text{CH}_3\text{CH}(\text{Br})\text{CH}(\text{Cl})\text{CH}_3$ |

Question 3:

A. Define the following terms:

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|--------------|------------------|-----------|
| a. Corrosion | b. Galvanization | c. Gangue |
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B. Show the formation of following compounds by the transfer of electrons.

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| a. MgCl_2 | b. MgO |
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C. Complete and balance the following chemical equations.

- $\text{Al} + \text{H}_2\text{O} \rightarrow$
- $\text{Mn} + \text{HNO}_3 \rightarrow$
- $\text{Na} + \text{H}_2\text{O} \rightarrow$
- $\text{Al}_2\text{O}_3 + \text{HCl} \rightarrow$