

CHEMISTRY

Time - 1 1/2 hrs

Std:VII

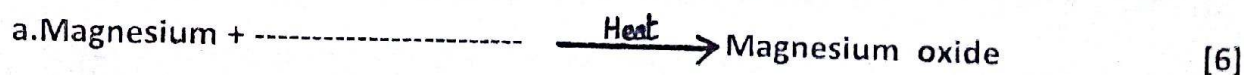
Marks -80

1. Name the following

[10]

- A compound which depletes the ozone layer
- Two trivalent elements
- Two green house gases
- Two air pollutants
- A lead free fuel
- Two elements which show variable valency.

2. Fill in the blanks for the following reactions and write balanced chemical equation for them. Name the type of reaction taking place in each case.



3. State whether true or false. Correct if the statement is false. [4]

- Calcium Oxide is commonly known as slaked lime .
- Rusting is an example of chemical change .
- The major constituent of air is oxygen .
- Combination reaction is otherwise known as decomposition .

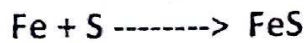
4. Derive the molecular formula of the following compounds. Write the steps [8]
Involved.

- Calcium hydroxide
- Zinc nitrate
- Sodium chloride
- Magnesium sulphate

5. a. Differentiate between a physical change and a chemical change [4 points] [4]

b. Burning of a candle is an example where both physical and chemical change occur simultaneously. Explain [3]

6. Name the reactants and the products in the equation given below [3]



7. Hydrogen + oxygen \longrightarrow Water [4]

Write the skeletal equation and the balanced equation for the above word equation.

8. a. Name the layers of the atmosphere. [5]

b. Why is the ozone layer important

9. a. What is air pollution? [6]

b. List five ways to prevent air pollution.

10. a. How is natural green house effect useful for us? [5]

b. Explain global warming?

11. Is air a mixture or compound? Justify your answer. [6]

12. Define [6]

a. Smog b. Aerosol c. Passive smoking

13. Balance the following equations [10]

