

Name of Student.....

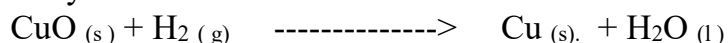
- **ASSESSMENT SHEET** is of 10 Marks.
- It has been divided into TWO SECTIONS.
- SECTION-I contains Multiple Choice Questions (MCQ) of 1 mark each.
- SECTION-II contains CASE STUDY QUESTIONS, which are Multiple Choice Questions (MCQ) of 1 mark each.

SECTION-I

1. A solution of substance X is used for white washing. Here X is:

- A. CaO ☐
- B. Ca(OH)₂ ☐
- C. NaCl ☐
- D. KCl ☐

2. Identify the substances that is oxidized and the substance that is reduced in the following reaction:



- A. H₂, CuO ☐
- B. H₂, H₂O ☐
- C. H₂, Cu ☐
- D. Cu, H₂ ☐

3. When diesel, in the presence of oxygen gas, burns inside the engine of a bus, carbon dioxide and water are produced. The temperature inside the engine becomes very high. Which of the following statements is correct?

- A. The burning of diesel is an example of a physical change. ☐
- B. Heat energy is taken out from the surroundings. ☐
- C. Oxygen and diesel are the reactants in this process. ☐
- D. This process is triggered by light energy. ☐

4. Rusting is a process which requires

- A. Air ☐
- B. Moisture ☐
- C. Heat ☐
- D. Both A and B ☐

5. Magnesium ribbon burns in air with a dazzling white flame. This is due to the formation of a white solid. This white solid dissolves in water and gives a solution which turns red litmus blue. Which type of reaction is performed in above process?

- A. Combination reaction ☐
- B. Decomposition reaction ☐

- C. Redox reaction ☐
- D. Oxidation reaction ☐

SECTION-II

CASE STUDY QUESTIONS

Read the given paragraph carefully and answer the following questions:

In 1909 Sorenson devised a scale (known as pH scale) on which the strength of acid solutions as well as basic solutions could be represented by making use of the hydrogen ion concentrations in them. Sorensen linked the hydrogen ion concentrations of acid and base solutions to the simple numbers 0 to 14 on pH scale. In everyday life, pH plays an important role on daily basis like in farming, the best crops are usually obtained with neutral or slightly acidic soil (pH 6.5 to 7.0), tooth decay starts when the pH of mouth is lower than 5.5, Bee-sting leaves an acid which causes pain and irritation etc.

6. Which of the following substance is added by farmers if the soil is acidic?
- A. Common salt ☐
- B. Slaked lime ☐
- C. Vinegar ☐
- D. Limestone ☐
7. Rain is called an acid rain when the pH is:-
- A. Above 8.5 ☐
- B. Below 6.5 ☐
- C. Below 5.6 ☐
- D. Between 7-8 ☐
8. During indigestion, which acid is produced by the stomach that causes irritation and pain?
- A. Hydrochloric acid ☐
- B. Sulphuric acid ☐
- C. Nitric acid. ☐
- D. Phosphoric acid ☐
9. Which of the following salt is used to give relief on the stung area -
- A. Washing soda. ☐
- B. Caustic soda ☐
- C. Baking soda ☐
- D. Bleaching powder ☐
10. Which of the following type of medicines is used for the treatment of hyperacidity in the stomach?
- A. Antiseptic ☐
- B. Antibiotic ☐
- C. Analgesic ☐
- D. Antacid ☐