CLASS: VII (A, B1, B2)

SUBJECT: Chemistry

TEACHER: Mr. Shafiqun Nabi

Senior school,Gulshan

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| **Day** | **Lesson 1**  **18.03.2020** | **Lesson 2**  **19.03.2020** | **Lesson 3**  **22.03.2020** | **Lesson 4**  **23.03.2020** | **Lesson 5**  **24.03.2020** |
| **Topic/Chapter** | Extraction of  metals | Extraction of metals | Extraction of metals | Extraction of metals | Extraction of metals |
| **Page number** | Pg. 70-71 | Pg. 72-73 | Pg. 74 | Pg. 75 | Pg. 75 |
| **OBJECTIVE:** | 1. Learning of reactivity series.  2.Displacement reactions. | 1. Learning about metals of low reactivity.  2. Learning about metals of medium reactivity. | 1. Learning about position of carbon in reactivity series.  2. Learning reduction and oxidation. | 1. Learning about extraction of iron.  2. Learning about the raw materials of extraction of iron. | 1. Learning about the reactions in the blast furnace. |
| **QUESTIONS:** | 1. Write the word equations of metals with water and oxygen.  2. Write the word equation of metals and metal oxide. | 1.Which metals are called native metals?  2. Which metal can be extracted by roasting ores? | 1 What is position of carbon in the reactivity series?  2. Define oxidation and reduction. | 1. Which raw materials are used in extraction of iron? | 1. Write the equation of reaction that happens in the blast furnace. |
| **Homework** | Memorize and write the reactivity series. | Learn the name of native metals. | Learn about the reason of carbon being in the reactivity series | Diagram of blast furnace | Read pg. 75 |

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| **Day** | **Lesson 1**  **25.03.2020** | **Lesson 2**  **29.03.2020** | **Lesson 3**  **30.03.2020** | **Lesson 4**  **31.03.2020** | **Lesson 5**  **1.04.2020** |
| **Topic/Chapter** | Extraction of metals | Electrolysis | Electrolysis | Electrolysis | Electrolysis |
| **Page number** | Pg. 76-77 | Pg. 82-83 | Pg. 84-85 | Pg. 86-88 | Pg. 89 |
| **OBJECTIVE:** | 1 Learning about how iron can be turned into steel  2. Learning corrosion of iron. | 1.Learning Concept of electrolysis and electrolytes. | 1. Learning the concept of cations and anions.  2. Percentage by mass calculations. | 1. Learning the concept of half equation  2. Learning the electrolysis of molten compounds. | 1. Learning of properties and uses of aluminium.  2. Learning about extraction of aluminium. |
| **QUESTIONS:** | 1. How iron can be turned into steel?  2. Which substances are responsible for rusting of iron?  3. How rust of iron can be prevented? | 1. Define electrolysis and electrolytes.  2. Why do electrolytes conduct electricity? | 1. Define cations and anions.  2. Why are ions charged? | 1. Explain the full concept of electrolysis.  2. Draw a diagram to explain the electrolysis of molten lead bromide. | 1. What are the properties of aluminium?  2. Explain the extraction of aluminium with diagram. |
| **Homework** | pg. 81 question 1 and 7 | Pg. 82 Experiment 7.1 | Pg. 84 experiment 7.1 | Pg. 88 demonstration 7.5 | Pg. 89 diagram of extraction of aluminium |

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