Std 10Chemistry **Assignment** and Solution Electrolysis Introduction

Written work should be done in the Chemistry Note Book

Q1. Fill in the blanks choosing the words from the brackets (positive, negative )

a) The anode has a \_\_\_\_\_ charge while anions have a \_\_\_\_\_\_charge.

b) The cations move toward the cathode, as cathode has a \_\_\_\_\_\_\_ charge.

Q2. State the difference between each of the following with respect to the dissociation of ions.

1. Strong electrolyte and weak electrolyte
2. Electrolyte and Non Electrolyte

Q3.Explain the following terms: a) Electrolysis b) Electrolytic cell.

**SOLUTION**

**Q1. a) positive, negative b) negative**

**Q2.**

|  |  |
| --- | --- |
| 1. **Strong electrolyte dissociates to a large extent** | **Weak electrolytes dissociates to a lesser extent** |
| 1. **Electrolytes dissociates into ions when in molten and aqueous state on passage of current** | **Non electrolytes do not dissociate into ions on passage of electric current.** |

**Q3. a) Electrolysis is the decomposition of a chemical compound in the aqueous or molten state, by the passage of direct current, resulting in discharge of ions as neutral atoms at respective electrodes.**

1. **An Electrolytic cell is a device in which electrolysis is carried out.**