**Experiment 9: Mg – Salt Water Activated Battery-Effect of**

**Salt Concentration on Voltage generation**

**Name:** Vidhi Shah

**Reg. No.:** 21BCE1297

**Slot:** L11-L12

**Date:** 07/12/21

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Cell Voltages/Volts** | | | | | |
| Cell 1 | Cell 2 | Cell 3 | Cell 4 | Cell 5 | Cell 6 |
| 1.52 | 1.51 | 1.53 | 1.51 | 1.52 | 1.53 |
| Voltage of battery when all six cells were connected in series : **9.12V** | | | | | |

**Observation Table:**

**Note: The recorded voltages should be 1.52V (nominal) for each cell**

**The battery voltage should be 9.12V (nominal) when six cells are in series**

**Observed Results:**

* The voltages of the individual cells were recorded. The voltage ranges were 1.51V to 1.52V.
* The voltage of the battery (six cells connected in series) was recorded as 9.12V.
* The 9V LED lamp was observed to glow for a period of 4 hours when it became slightly dim.