# ELEC 1100 Laboratory 2: Summary Sheet

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Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student ID:

Lab Session (Deadline): LA1 (Wed 14:50) / LA2 (Thu 11:50) / LA3 (Mon 16:20)

**Notes**: (1) Show demo to your TA to have an attendance record; (2) Individually submit your completed Summary Sheet on Canvas before the deadline.

**Tinkercad Simulation Links (for online lab)**

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| --- | --- |
| **Simulation 1:** |  |
| **Simulation 2:** |  |
| **Simulation 3:** |  |
| **Simulation 4:** |  |

**Experimental Results and Analysis**

Q1: What is the difference between the two waveforms? Briefly explain your answer (the feature of a diode).

Q2: Complete the table of experiment result.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Vin (V) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| VZ (V) |  |  |  |  |  |  |  |  |
| Vin (V) | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| VZ (V) |  |  |  |  |  |  |  |  |

Q3: From your record in Q2, what is the breakdown voltage of the Zener diode (give a rough number)?