Week 6 Assignment B

1. Draw the circuit diagram for the given problem:

   ![Circuit Diagram](image)

2. Sketch the sensitivity graph for the given problem:

   ![Sensitivity Graph](image)

3. Calculate the output voltage for the given problem:

   ![Output Voltage Calculation](image)

4. Explain the working principle of the given device:

   ![Working Principle](image)

5. Design a circuit to solve the given problem:

   ![Circuit Design](image)

6. Analyze the given circuit and explain its operation:

   ![Analysis](image)

7. Calculate the power dissipation for the given circuit:

   ![Power Dissipation Calculation](image)

8. Discuss the advantages and disadvantages of the given device:

   ![Advantages and Disadvantages](image)

9. Design an experiment to verify the given theory:

   ![Experiment Design](image)

10. Solve the given problem using the given equations:

    ![Problem Solving](image)