Mechatronics (ROB-GY 5103)

Midterm Study Guide: Sample Questions

Fall 2023 — **Section A** — 3.0 credits

1. What is the difference between forward bias and reverse bias?
2. Explain the difference between RAM and ROM.
3. Explain the importance of registers.
4. When might you use an inductor in a circuit?
5. Explain the terminals of a comparator.
6. When might you use a comparator?
7. Explain debouncing.
8. What is the purpose of a pull-up/down resistor?
9. Describe at least one method for circuit isolation.