

List of Topics Covered in Final Exam – Electronic System Design

1. Design of power supplies
2. Design using op amp, 555, analog multiplexer, and optoelectronic components
3. Design of analog filters of all types
4. Design using different sensors for temperature and position
5. Design using different actuators like solenoids, relays, heaters, Peltier coolers, and motors

Note: Design means applying knowledge of the studies topics in a practical problem given in the exam. The problem will not tell you what component you should use. Rather, you will select which component to use for the particular requirements of the problem. You need to be clear on the basic idea, the specific type of components you use, and how things are connected to each other.