

Exam Topics for ECE 20002 - Electrical Engineering Fundamentals II

Shubham Saluja Kumar Agarwal

January 31, 2024

These are exam topics for spring 2024 ECE 20002 at Purdue as taught by Professor Byunghoo Jung alongside recordings by Professor Michael Capano. Modify, use, and distribute as you please.

Contents

Exam 1 2

Exam 1

1. RC or RL circuit with input that can be either linear, SSS, or exponential.
2. LC circuit with either linear or SSS input.
3. RLC circuit with linear input, only need to solve a part of the full thing, such as determining conditions for certain kinds of damping, or finding the equation from a midpoint solve.
4. Switched RL or RC circuit with around 3 time intervals
5. Convolution with unit step function
6. Convolution with integration by parts once